

I'm not a bot





























concepts, showcasing your skills to potential employers or academic programs. Make sure to document your process and include any unique features or challenges you addressed. Subscribe to RSS Feed/MLA Campbell, a creative and passionate professional with over 6 years of experience in education and project-based learning. I enjoy coding up with smart, helpful project ideas that inspire students and support teachers. In skilled in research, writing what works best, and using your final year project as a chance to explore a new area of interest. You can find a list of 155 final year project ideas for computer science students, presented in the simplest language possible. E-commerce Website: Create an online store with features like product catalog, shopping cart, and secure payment processing. Content Management System (CMS): Build a user-friendly platform for managing website content. Blog Platform: Develop a blogging website with user profiles, comments, and likes. Event Management System: Design a system to manage and promote events. Portfolio Website: Create a website to showcase your own work and achievements. Expense Tracker: Build an app to help users manage their finances. To-Do List App: Create a task management app with priority levels and reminders. Recipe App: Develop an app for sharing and discovering recipes. Fitness Tracker: Build an app to track workouts and nutrition. Weather App: Create an app that provides real-time weather forecasts. Stock Market Predictor: Use historical data to predict stock prices. Sentiment Analysis: Analyze social media data to gauge public sentiment on a topic. Recommendation System: Build a system that suggests products or content based on user behavior. Healthcare Analytics: Analyze medical data to identify trends and improve patient care. Image Recognition: Develop an image recognition system for objects or faces. Network Monitoring Tool: Create a tool to monitor network traffic and detect anomalies. 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Autonomous Cleaning Robot: Create a robot for cleaning and maintaining spaces. Blockchain-Based Supply Chain: Develop a blockchain solution for supply chain transparency. Blockchain Identity Verification: Create a system for secure identity verification using blockchain. Blockchain-Based Voting System: As mentioned earlier, work on a blockchain-based voting system. Blockchain for Intellectual Property: Use blockchain for protecting intellectual property rights. Blockchain in Education: Implement blockchain solutions for verifying educational credentials. That's quite a list of project ideas for computer science students! Remember, the key to a successful final year project is to choose something that genuinely interests you and aligns with your skills and career goals. So, take your time to explore these ideas, consult with your professors, and select a project that excites you. Good luck with your final year project, and may you succeed in your computer science journey! Here in this blog, Codeavail programming assignment help experts will help you know the best steps of how to write assignment and explain to you when you ask Codeavail experts how to do my assignment. Our assignment writing experts will motivate you and provide the best ways to do the Disclosure: Hackr.io is supported by its audience. When you purchase through links on our site, we may earn an affiliate commission. Final Year CSE projects are a student's big moment to showcase their skills and contribute to the field of computer science. This article will discuss the best final year project ideas for computer science students. Let's begin with how to choose your year project. 155 Final Year CSE Projects Ideas for Final Year Students/As discussed above, you need to select your area of interest to build a project. We've listed 10 categories and project ideas here to help you with your CSE final-year projects with trending topics and advanced technologies that solves real-life problems. Machine Learning/AI Project/Machine Learning and AI projects aim to build systems that learn from data to make smart choices. These include tech for recognizing images and natural language processing, predicting trends, and running self-driving systems. One of the best project ideas for this category is a facial recognition attendance system. Face Recognition Attendance System/A facial recognition attendance system uses AI to spot and log people's attendance by scanning their faces. It makes taking attendance automatic without anyone having to do it by hand.Applications: People can use this tech in schools, offices, events, or security checkpoints to keep track of who's there, control who gets in, or monitor crowd demographics. Click to get 100+ Machine Learning Projects with Source Code [2024]Blockchain Technology/Blockchain technology is primarily used in projects that require secure, transparent, and decentralized record-keeping. Common project ideas cover cryptocurrency systems, supply chain tracking, voting systems, and smart contracts. Using the concept of supply chain we can create a secure delivery chain system for e-commerce websites using blockchain technology.Delivery chain System Using Blockchain/Blockchain in delivery systems can enhance transparency, security, and traceability. It can create an immutable record of each step in the supply chain, from order placement to final delivery. This technology can help prevent fraud, ensure product authenticity, and provide real-time tracking of goods. Applications: Supply chain management, pharmaceuticals, and food safety. Projects aim to secure systems, networks, and data against cyber threats. This includes developing methods to protect information while ensuring privacy and integrity. Using cybersecurity principles, you can create an image encryption system that encrypts digital photos. Image Encryption System/The image encryption system projects digital photos by transforming them into a coded format. This ensures that only authorized individuals can access or view the image content, limiting unauthorized access to sensitive or private photographs while also protecting data privacy and security.Features:Encryption algorithm selection (for example, AES, RSA)/Secure key management/Real-time image encryption and decryption/User authorization and access control/Support for many image formats/Integration of safe storage solutions/Check out: Top 6 Cybersecurity Projects Ideas for Beginners/Mobile Application Development/Mobile Application Security refers to programs specifically designed to run on mobile devices such as smartphones and tablets. These applications are developed using various platforms and tools to provide functionality and enhance user experience on mobile devices. You can develop a mobile app about topics such as a fitness app or a rescue guide app.The Fitness App/You can create a mobile app that links users with their gym trainers helping them stay fit despite their busy lives.Features:Personalized Diet Plans/Exercise Programs/Track Your Progress/Guided Content/Community Support/The Rescue Guide App/You can create a mobile app for first aid treatments in emergencies can be beneficial. The Rescue Guide app provides emergency assistance, safety tips, and real-time alerts for various crises.Features:Emergency contact list/P-First Aid Guidelines/Real-time location sharing/SOS alerts/Location-based emergency services/Also Check: Top 10 Android Project Ideas With Source Code/Data Science and Analytics/Data science helps us understand and use big data to make smarter choices and boost various services. It has an array of applications in various domains. Personalized Recommendations/Personalized Recommendations/Recommendation systems suggest items based on user preferences and behavior. It uses algorithms to make personal suggestions and make users happier.Features: Personalized Recommendations/Rating and Review System/Genre Filtering/Includes action, comedy, drama, horror, and science fiction movies./Watch History/Tracking/Cloud Computing/Cloud computing projects use remote servers to store, manage, and process data online, allowing users to access and use applications and services from anywhere.Blood banking through cloud computing tech can be well-managed making sure donors and hospitals stay connected. Such ideas are highly appreciated for improving accessibility and saving lives. Blood Banking Via Cloud Computing/The "Blood Banking Via Cloud Computing" project can create an online platform to manage blood donations, storage, and distribution by connecting donors, hospitals, and recipients for efficient and real-time access.Feature:Track blood availability in real-time/Match donors with recipients quickly/Send alerts for low inventory/Access data from anywhere/Analyze donation trends/Connect with a mobile app/Check out: 10 Best Cloud Computing Project Ideas/Natural Language Processing/Natural Language Processing (NLP) allows computers to interpret and process human language, enabling them to derive meaningful insights. This data is crucial for understanding human behavior and preferences. Data analysis and machine learning experts leverage NLP to train machines to better understand and predict human behavior. Twitter Sentiments Analysis/Social media platforms like Twitter contain a huge amount of data. Sentiment analysis helps to spot and deal with harmful tweets. The Twitter sentiment analysis project aims to figure out if a piece of writing is positive, negative, or neutral.Learn more: Twitter Sentiment Analysis using Python/Features:Real-time sentiment tracking/Sentiment classification (positive, negative, neutral)/Sarcasm and slang detection/Multi-language support/Real-time sentiment analysis/Recommendation system for tweets based on sentiment/Check out: 155 Final Year CSE Projects Ideas for Final Year Students/Conclusion/In short, final year CSE projects are a student's chance to shine, blending classroom theory with real-world innovation. By exploring your surroundings, you can discover various ideas for your final year projects. Instead of selecting these projects as they are, you can think creatively and innovate to add uniqueness and make your projects stand out. Are you a computer science student about to embark on your final year project journey? If so, you're in for an exciting and challenging ride! Your final year project is a chance to apply what you've learned throughout your academic journey and showcase your skills to potential employers. To help you get started, we've compiled a list of 155 final year project ideas for computer science students, presented in the simplest language possible. E-commerce Website: Create an online store with features like product catalog, shopping cart, and secure payment processing. Content Management System (CMS): Build a user-friendly platform for managing website content. Blog Platform: Develop a blogging website with user profiles, comments, and likes. Event Management System: Design a system to manage and promote events. Portfolio Website: Create a website to showcase your own work and achievements. Expense Tracker: Build an app to help users manage their finances. To-Do List App: Create a task management app with priority levels and reminders. 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This ensures that only authorized individuals can access or view the image content, limiting unauthorized access to sensitive or private photographs while also protecting data privacy and security.Features:Encryption algorithm selection (for example, AES, RSA)/Secure key management/Real-time image encryption and decryption/User authorization and access control/Support for many image formats/Integration of safe storage solutions/Check out: Top 6 Cybersecurity Projects Ideas for Beginners/Mobile Application Development/Mobile Application Security refers to programs specifically designed to run on mobile devices such as smartphones and tablets. These applications are developed using various platforms and tools to provide functionality and enhance user experience on mobile devices. 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Blood Banking Via Cloud Computing/The "Blood Banking Via Cloud Computing" project can create an online platform to manage blood donations, storage, and distribution by connecting donors, hospitals, and recipients for efficient and real-time access.Feature:Track blood availability in real-time/Match donors with recipients quickly/Send alerts for low inventory/Access data from anywhere/Analyze donation trends/Connect with a mobile app/Check out: 10 Best Cloud Computing Project Ideas/Natural Language Processing/Natural Language Processing (NLP) allows computers to interpret and process human language, enabling them to derive meaningful insights. This data is crucial for understanding human behavior and preferences. Data analysis and machine learning experts leverage NLP to train machines to better understand and predict human behavior. Twitter Sentiments Analysis/Social media platforms like Twitter contain a huge amount of data. Sentiment analysis helps to spot and deal with harmful tweets. The Twitter sentiment analysis project aims to figure out if a piece of writing is positive, negative, or neutral.Learn more: Twitter Sentiment Analysis using Python/Features:Real-time sentiment tracking/Sentiment classification (positive, negative, neutral)/Sarcasm and slang detection/Multi-language support/Real-time sentiment analysis/Recommendation system for tweets based on sentiment/Check out: 155 Final Year CSE Projects Ideas for Final Year Students/Conclusion/In short, final year CSE projects are a student's chance to shine, blending classroom theory with real-world innovation. By exploring your surroundings, you can discover various ideas for your final year projects. Instead of selecting these projects as they are, you can think creatively and innovate to add uniqueness and make your projects stand out. Are you a computer science student about to embark on your final year project journey? If so, you're in for an exciting and challenging ride! Your final year project is a chance to apply what you've learned throughout your academic journey and showcase your skills to potential employers. To help you get started, we've compiled a list of 155 final year project ideas for computer science students, presented in the simplest language possible. E-commerce Website: Create an online store with features like product catalog, shopping cart, and secure payment processing. Content Management System (CMS): Build a user-friendly platform for managing website content. Blog Platform: Develop a blogging website with user profiles, comments, and likes. Event Management System: Design a system to manage and promote events. Portfolio Website: Create a website to showcase your own work and achievements. Expense Tracker: Build an app to help users manage their finances. To-Do List App: Create a task management app with priority levels and reminders. Recipe App: Develop an app for sharing and discovering recipes. Fitness Tracker: Build an app to track workouts and nutrition. Weather App: Create an app that provides real-time weather forecasts. Stock Market Predictor: Use historical data to predict stock prices. Sentiment Analysis: Analyze social media data to gauge public sentiment on a topic. Recommendation System: Build a system that suggests products or content based on user behavior. Healthcare Analytics: Analyze medical data to identify trends and improve patient care. Image Recognition: Develop an image recognition system for objects or faces. Network Monitoring Tool: Create a tool to monitor network traffic and detect anomalies. Intrusion Detection System (IDS): Build a system to identify and respond to network intrusions. Secure Messaging App: Develop an encrypted messaging app for privacy-conscious users. Firewall Management: Create a firewall management tool with user-friendly controls. 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Blockchain Voting System: Develop a secure online voting system using blockchain technology. Smart Contracts: Work on smart contracts for automating transactions. Blockchain-Based Authentication: Build a secure authentication system using blockchain. Language Translation Tool: Create a tool that translates text between languages. Chatbot for Customer Support: Develop an NLP-based chatbot for customer service. Text Summarization: Build a system that summarizes long texts or articles. Named Entity Recognition: Create a tool that identifies names, dates, and other entities in text. Speech Recognition: Work on a speech recognition system for converting spoken language into text. 2D Platformer Game: Create a classic 2D platformer game with levels and challenges. RPG Game: Develop a role-playing game with quests, characters, and a storyline. Multiplayer Online Game: Build a multiplayer game that can be played over the internet. VR Game: Create a virtual reality game. Augmented Reality Game: Design an AR game that combines the real world with virtual elements. Robotic Arm Control: Build a system for controlling a robotic arm for various tasks. Autonomous Robot: Create a robot that can navigate and perform tasks autonomously. Voice-Controlled Robot: Develop a robot that responds to voice commands. AI-Powered Robot: Work on a robot that can learn and adapt to different environments. Robotic Vacuum Cleaner: Build a robotic vacuum cleaner with obstacle avoidance. See also How to Improve Your Coding Logic Skills/Cloud-Based File Storage: Create a secure file storage system in the cloud. Serverless Computing: Develop applications using serverless computing platforms like Cloud-Based Machine Learning: Implement machine learning models in the cloud for scalability. Distributed Systems: Work on projects that involve distributed computing and data processing. Cloud Security: Develop tools or techniques for enhancing cloud security. Vulnerability Scanner: Create a tool that scans networks or websites for vulnerabilities. Password Cracking Detection: Build a system to detect and prevent password cracking attempts. Phishing Detection: Develop a phishing detection system for emails and websites. Network Traffic Analysis: Analyze network traffic for signs of malicious activity. Malware Detection: Create a system that identifies and removes malware from systems. Also read: Simple Cybersecurity Projects For Beginners/Facial Recognition System: Build a system that recognizes faces for security or authentication. Object Detection: Create a system that can identify and locate objects within images or videos. Traffic Sign Recognition: Develop a system that recognizes and interprets traffic signs. Gesture Recognition: As mentioned earlier, work on gesture recognition for human-computer interaction. Medical Image Analysis: Analyze medical images like X-rays or MRIs for diagnosis. Interactive Dashboard: Create an interactive dashboard for visualizing data. Geospatial Data Visualization: Visualize geographic data on maps. Real-time Data Visualization: Develop a system that updates data visualizations in real time. Stock Market Data Visualization: Visualize stock market trends and data. Healthcare Data Visualization: Visualize healthcare data for better decision-making. Social Media Analytics: Analyze social media data to gain insights into user behavior. Friend Recommendation System: Build a system that suggests friends or connections on social networks. Social Media Sentiment Analysis: Analyze sentiment on social media platforms. Online Dating Platform: Create a platform for online dating with matching algorithms. Social Networking App: Develop a new social networking app with unique features. User Interface Design: Work on improving the user interfaces of existing software. Voice User Interface (VUI): Create a voice-controlled interface for a software application. Gestural User Interface: Develop a user interface that responds to gestures. Accessibility Tools: Build tools to make software more accessible to people with disabilities. Virtual Reality User Interface: Design a user interface for VR applications. Big Data Analytics: Analyze large datasets to extract valuable insights. Real-time Data Processing: Develop systems for processing real-time data streams. Data Warehousing: Create a data warehousing solution for storing and retrieving data. Big Data Visualization: Visualize big data in meaningful ways. Predictive Analytics: Use big data to build predictive models for various applications. Secure File Transfer: Develop a secure file transfer protocol or application. Email Encryption: Create a system for encrypting email communications. Identity Verification: Build a system for secure online identity verification. Secure Online Payments: Work on enhancing the security of online payment systems. Network Security Audit: Develop tools for conducting security audits on computer networks. See also Best 80 Major Project Ideas for CSE Final Year/Mobile App Security Scanner: Create a tool to scan mobile apps for security vulnerabilities. Anti-Malware App: Develop a mobile app that detects and removes malware. Mobile Payment Security: Enhance the security of mobile payment apps. Secure Messaging App: As mentioned earlier, build a secure messaging app. Mobile Device Tracker: Create a tool for tracking and recovering lost or stolen mobile devices. Automated Testing Framework: Develop a framework for automated software testing. Load Testing Tool: Create a tool for simulating heavy user loads on web applications. Code Coverage Analyzer: Build a tool to measure code coverage during testing. Bug Reporting System: Design a system for efficient bug reporting and tracking. Test Data Generation: Develop a tool for generating test data. 2D Game Engine: Create a game engine for developing 2D games. Physics Engine: Build a physics engine for realistic game physics. Game Level Design Tool: Develop a tool for designing game levels and environments. Multiplayer Game Server: Create a server for hosting multiplayer games. Game AI Framework: Design a framework for implementing game AI. Serverless API: Build a serverless API for deploying and managing APIs. Container Orchestration: Develop a system for orchestrating containers in the cloud. Cloud Cost Management: Create tools for monitoring and managing cloud infrastructure costs. Serverless Data Processing: Implement data processing workflows using serverless architecture. Cloud-based IoT: Build an IoT platform that leverages cloud services. IoT-Based Home Automation: Create a system to control home appliances and security using IoT. Smart City Solutions: Develop IoT solutions for enhancing urban living. IoT in Agriculture: Create IoT devices and systems for precision agriculture. Industrial IoT: Build IoT solutions for monitoring and optimizing industrial processes. IoT-Based Healthcare: Develop healthcare devices and systems using IoT. Text Generation: Create a system that generates human-like text based on input data. Language Translation: Work on improving machine translation systems. Chatbots for Specific Domains: Develop chatbots tailored to specific industries or topics. Speech-to-Text and Text-to-Speech: Build systems for converting spoken language to text and vice versa. Emotion Recognition in Text: Create a system that can detect emotions in written text. AI-Powered Personal Assistant: Develop a personal assistant like Siri or Alexa. AI-Based Game Opponents: Create intelligent AI opponents for computer games. AI in Healthcare: Build AI systems for diagnosing diseases or suggesting treatments. AI in Education: Create AI-based educational tools and platforms. AI in Finance: Work on AI applications in the financial industry. Robotic Arm for Surgery: Develop a robotic system for assisting surgeons. Autonomous Delivery Robot: Create a robot for delivering packages autonomously. Robotic Pet Companion: Build a robot designed to provide companionship to users. Robotic Exoskeleton: Develop an exoskeleton for assisting people with mobility challenges. Autonomous Cleaning Robot: Create a robot for cleaning and maintaining spaces. Blockchain-Based Supply Chain: Develop a blockchain solution for supply chain transparency. Blockchain Identity Verification: Create a system for secure identity verification using blockchain. Blockchain-Based Voting System: As mentioned earlier, work on a blockchain-based voting system. Blockchain for Intellectual Property: Use blockchain for protecting intellectual property rights. Blockchain in Education: Implement blockchain solutions for verifying educational credentials. That's quite a list of project ideas for computer science students! Remember, the key to a successful final year project is to choose something that genuinely interests you and aligns with your skills and career goals. So, take your time to explore these ideas, consult with your professors, and select a project that excites you. Good luck with your final year project, and may you succeed in your computer science journey! Here in this blog, Codeavail programming assignment help experts will help you know the best steps of how to write assignment and explain to you when you ask Codeavail experts how to do my assignment. Our assignment writing experts will motivate you and provide the best ways to do the Disclosure: Hackr.io is supported by its audience. When you purchase through links on our site, we may earn an affiliate commission. Final Year CSE projects are a student's big moment to showcase their skills and contribute to the field of computer science. This article will discuss the best final year project ideas for computer science students. Let's begin with how to choose your year project. 155 Final Year CSE Projects Ideas for Final Year Students/As discussed above, you need to select your area of interest to build a project. We've listed 10 categories and project ideas here to help you with your CSE final-year projects with trending topics and advanced technologies that solves real-life problems. Machine Learning/AI Project/Machine Learning and AI projects aim to build systems that learn from data to make smart choices. These include tech for recognizing images and natural language processing, predicting trends, and running self-driving systems. One of the best project ideas for this category is a facial recognition attendance system. Face Recognition Attendance System/A facial recognition attendance system uses AI to spot and log people's attendance by scanning their faces. It makes taking attendance automatic without anyone having to do it by hand.Applications: People can use this tech in schools, offices, events, or security checkpoints to keep track of who's there, control who gets in, or monitor crowd demographics. Click to get 100+ Machine Learning Projects with Source Code [2024]Blockchain Technology/Blockchain technology is primarily used in projects that require secure, transparent, and decentralized record-keeping. Common project ideas cover cryptocurrency systems, supply chain tracking, voting systems, and smart contracts. Using the concept of supply chain we can create a secure delivery chain system for e-commerce websites using blockchain technology.Delivery chain System Using Blockchain/Blockchain in delivery systems can enhance transparency, security, and traceability. It can create an immutable record of each step in the supply chain, from order placement to final delivery. This technology can help prevent fraud, ensure product authenticity, and provide real-time tracking of goods. Applications: Supply chain management, pharmaceuticals, and food safety. Projects aim to secure systems, networks, and data against cyber threats. This includes developing methods to protect information while ensuring privacy and integrity. Using cybersecurity principles, you can create an image encryption system that encrypts digital photos. Image Encryption System/The image encryption system projects digital photos by transforming them into a coded format. This ensures that only authorized individuals can access or view the image content, limiting unauthorized access to sensitive or private photographs while also protecting data privacy and security.Features:Encryption algorithm selection (for example, AES, RSA)/Secure key management/Real-time image encryption and decryption/User authorization and access control/Support for many image formats/Integration of safe storage solutions/Check out: Top 6 Cybersecurity Projects Ideas for Beginners/Mobile Application Development/Mobile Application Security refers to programs specifically designed to run on mobile devices such as smartphones and tablets. These applications are developed using various platforms and tools to provide functionality and enhance user experience on mobile devices. You can develop a mobile app about topics such as a fitness app or a rescue guide app.The Fitness App/You can create a mobile app that links users with their gym trainers helping them stay fit despite their busy lives.Features:Personalized Diet Plans/Exercise Programs/Track Your Progress/Guided Content/Community Support/The Rescue Guide App/You can create a mobile app for first aid treatments in emergencies can be beneficial. The Rescue Guide app provides emergency assistance, safety tips, and real-time alerts for various crises.Features:Emergency contact list/P-First Aid Guidelines/Real-time location sharing/SOS alerts/Location-based emergency services/Also Check: Top 10 Android Project Ideas With Source Code/Data Science and Analytics/Data science helps us understand and use big data to make smarter choices and boost various services. It has an array of applications in various domains. Personalized Recommendations/Personalized Recommendations/Recommendation systems suggest items based on user preferences and behavior. It uses algorithms to make personal suggestions and make users happier.Features: Personalized Recommendations/Rating and Review System/Genre Filtering/Includes action, comedy, drama, horror, and science fiction movies./Watch History/Tracking/Cloud Computing/Cloud computing projects use remote servers to store, manage, and process data online, allowing users to access and use applications and services from anywhere.Blood banking through cloud computing tech can be well-managed making sure donors and hospitals stay connected. Such ideas are highly appreciated for improving accessibility and saving lives. Blood Banking Via Cloud Computing/The "Blood Banking Via Cloud Computing" project can create an online platform to manage blood donations, storage, and distribution by connecting donors, hospitals, and recipients for efficient and real-time access.Feature:Track blood availability in real-time/Match donors with recipients quickly/Send alerts for low inventory/Access data from anywhere/Analyze donation trends/Connect with a mobile app/Check out: 10 Best Cloud Computing Project Ideas/Natural Language Processing/Natural Language Processing (NLP) allows computers to interpret and process human language, enabling them to derive meaningful insights. This data is crucial for understanding human behavior and preferences. Data analysis and machine learning experts leverage NLP to train machines to better understand and predict human behavior. Twitter Sentiments Analysis/Social media platforms like Twitter contain a huge amount of data. 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If so, you're in for an exciting and challenging ride! Your final year project is a chance to apply what you've learned throughout your academic journey and showcase your skills to potential employers. To help you get started, we've compiled a list of 155 final year project ideas for computer science students, presented in the simplest language possible. E-commerce Website: Create an online store with features like product catalog, shopping cart, and secure payment processing. Content Management System (CMS): Build a user-friendly platform for managing website content. Blog Platform: Develop a blogging website with user profiles, comments, and likes. Event Management System: Design a system to manage and promote events. Portfolio Website: Create a website to showcase your own work and achievements. Expense Tracker: Build an app to help users manage their finances. To-Do List App: Create a task management app with priority levels and reminders. 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