



Cybersecurity

Project Ideas/Titles

| S.No | Title | Description |
|------|------------------------------|--------------------------------------------------------------------------------------------------|
| 1 | Password Manager Application | Build a secure application to manage and encrypt user passwords. |
| 2 | Network Traffic Analysis | Analyze network traffic to detect unusual patterns and potential intrusions. |
| 3 | Ransomware Detection Tool | Develop a tool to detect and prevent ransomware attacks using behavioral analysis. |
| 4 | Phishing Website Detector | Create a machine learning model to identify phishing websites based on URL and content analysis. |
| 5 | Secure Chat Application | Build a real-time chat app with end-to-end encryption for privacy. |
| 6 | Vulnerability Scanner | Develop a tool to scan systems and identify common vulnerabilities (e.g., unpatched software). |
| 7 | IoT Device Security | Implement a system to detect and mitigate security threats in IoT networks. |
| 8 | Data Breach Analysis | Analyze recent data breaches to identify trends and suggest preventive measures. |
| 9 | Keylogger Detection System | Build a tool to detect and remove keyloggers from a user's device. |
| 10 | Anti-DDoS Protection System | Develop a solution to identify and mitigate Distributed Denial of Service (DDoS) attacks. |



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| 11 | Honeypot Implementation | Create a honeypot to attract and analyze potential cyber attackers. |
| 12 | Malware Analysis Tool | Build a system to analyze suspicious files for malicious behavior. |
| 13 | Blockchain for Cybersecurity | Use blockchain to enhance data integrity and security in sensitive applications. |
| 14 | Secure File Sharing Platform | Develop a platform for secure, encrypted file sharing between users. |
| 15 | Social Engineering Awareness System | Build an educational system to train users to recognize and avoid social engineering attacks. |
| 16 | Log Analysis for Threat Detection | Develop a tool to parse and analyze server logs to identify security threats. |
| 17 | Ethical Hacking Toolkit | Create a suite of tools for penetration testing and vulnerability assessment. |
| 18 | Secure E-commerce Transactions | Build a model to detect and prevent fraud in online payment systems. |
| 19 | Cybersecurity Dashboard | Develop a real-time dashboard displaying network security metrics and alerts. |
| 20 | Secure Authentication System | Implement a two-factor authentication (2FA) system using biometrics or OTPs. |



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| 21 | Insider Threat Detection System | Develop a system to monitor and detect insider threats within organizations. |
| 22 | Browser Security Extension | Create a browser plugin to detect and block malicious scripts or websites. |
| 23 | Cyber Threat Intelligence Platform | Build a platform to aggregate and analyze cyber threat intelligence feeds. |
| 24 | Mobile App Security Scanner | Develop a tool to analyze mobile apps for potential security vulnerabilities. |
| 25 | Secure API Development | Create a framework for building APIs with enhanced security measures. |
| 26 | Cryptography Simulation Tool | Build an educational tool to demonstrate how different cryptographic algorithms work. |
| 27 | Dark Web Monitoring System | Develop a system to monitor the dark web for leaked sensitive information. |
| 28 | Anti-Spam Email Filter | Create a machine learning-based tool to detect and filter spam emails. |
| 29 | Firewall Enhancement Tool | Build a tool to enhance traditional firewalls with AI-based intrusion detection. |
| 30 | Cyberattack Simulation Platform | Develop a platform to simulate cyberattacks and test an organization's defense mechanisms. |



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