Vedansh Pundir

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LeetCode   GeeksforGeeks   GitHub   **Professional Portfolio**

Education

University of Petroleum and Energy Studies (UPES), Dehradun   *Aug 2022 - Present*
Bachelor of Technology in Computer Science and Engineering
Specialization in Cyber Security and Digital Forensics
CGPA: 8.24/10 (Current standing through fifth semester)

Doon Presidency School, Dehradun   *April 2019 - 2022*
Senior Secondary (PCM) - Indian School Certificate (ISC)   95%
Secondary Education - Indian Certificate of Secondary Education (ICSE)   92%

Technical Skills

Programming Languages: Java (Core Advanced), C, Python 3.x, HTML5, JavaScript
Frameworks/Technologies: AngularJS, Node.js
Database Management: SQL (MySQL)
Development Tools: Visual Studio Code, Git, GitHub, Kali Linux, Ubuntu, Metasploitable2
Cybersecurity: Network Security, Penetration Testing, Vulnerability Assessment, ARP Spoofing, Packet Analysis,Reconnaissance
Computer Science: Data Structures Algorithms, Operating Systems Architecture, Computer Networks, Database Systems, Object-Oriented Programming,Web development

Projects

Online Quiz Application   *Jan 2024 - May 2024*
GitHub Repository   Live Demo

- Engineered a responsive web-based assessment platform utilizing HTML5, CSS3, and JavaScript, implementing essential features including automated timing systems, instant feedback mechanisms, and comprehensive user performance tracking.
- Implemented robust quality assurance protocols, conducting cross-browser testing and mobile responsiveness validation to ensure optimal performance across all devices and platforms.
- Developed and integrated advanced security protocols, including anti-tampering measures and secure session management, resulting in enhanced quiz integrity and user data protection.

Task Management Application   *July 2024 - Aug 2024*
GitHub Repository   Live Demo

- Architected a full-stack task management solution featuring comprehensive CRUD operations, task prioritization systems, and intelligent task organization algorithms.
- Engineered persistent data storage mechanisms using JavaScript localStorage API, implementing secure data retention and cross-session state management.
- Designed and integrated an analytical dashboard utilizing modern visualization libraries to provide detailed task completion metrics and productivity insights.

Professional Portfolio Website   *Sept 2024 - Present*
GitHub Repository   Live Demo

- Designed and developed a responsive portfolio platform showcasing technical expertise, project implementations, and professional achievements.
- Implemented modern responsive design principles utilizing HTML5, CSS3, and JavaScript, ensuring optimal user experience across desktop and mobile devices.

- Established automated deployment workflows using Git version control and GitHub Pages, implementing continuous integration/continuous deployment (CI/CD) practices.

GeoScan: Network Information Gathering Tool *Aug 2024 - Nov 2024*
GeoScan Repository

- Developed an advanced network reconnaissance tool in C++ implementing wireless device detection, port scanning, and geolocation tracking capabilities.
- Engineered comprehensive device fingerprinting algorithms enabling detailed network asset identification and classification.
- Implemented enterprise-grade security analysis features facilitating detailed vulnerability assessment and network security optimization.

Power BI: Sales Analytics Dashboard *Dec 2024 - Present*
GitHub Repository

- Developed a comprehensive Power BI dashboard implementing real-time sales data tracking and analysis capabilities.
- Implemented advanced statistical modeling techniques including time series analysis for accurate sales forecasting and trend identification.
- Designed custom data visualizations utilizing various chart types and interactive elements to enhance data comprehension and analysis.

Vulnerability Automated Scanner Tool with Analytic Dashboard *July 2024 - Aug 2024*
GitHub Repository   Live Demo

- For Login use admin as username and password123 as password
- Developed a web-based vulnerability scanning tool capable of identifying common web application vulnerabilities such as SQL Injection, Cross-Site Scripting (XSS), Insecure Server Configurations, Open Redirects, and Directory Traversal Attacks.
- Designed an interactive and user-friendly dashboard with tabs for Overview, Vulnerability Types, Affected URLs, OWASP Top 10 references, and a detailed vulnerabilities table.
- Integrated real-time scanning and reporting capabilities using backend logic and frontend visualization, providing developers and security analysts actionable insights.
- Employed modular architecture for extensibility and ease of updating scanning rules and vulnerability definitions.
- Enabled export functionality for reports and logging, supporting integration with security workflows.

Achievements

- Successfully completed over 300 Data Structures and Algorithms challenges across LeetCode and GeeksforGeeks, demonstrating advanced problem-solving capabilities and algorithmic thinking.
- Achieved significant milestones in LeetCode's programming challenges, completing 50-Day, 100-Day, and September Daily Challenge series with consistent performance.
- Obtained professional certifications in cybersecurity from CCOE and Webel, demonstrating expertise in network security and ethical hacking practices.
- Completed comprehensive Responsive Web Design certification from freeCodeCamp, mastering modern web development principles and practices.
- Actively participated in Hacktoberfest 2024, contributing to multiple open-source projects and collaborating with global development teams.
- Earned CISCO Networking Academy certification, demonstrating proficiency in network infrastructure and protocols.
- AWS certificate of Cloud Practitioner Essentials.

Positions of Responsibility

Technical Team Lead, Project GeoScan *Aug 2024 - Present*
Active Member, Association for Computing Machinery (ACM) UPES Chapter *Aug 2022 - 2023*

School Prefect, Student Leadership Council *July 2020 - Feb 2022*

Hobbies and Interests

Active practitioner of badminton and basketball, developing leadership, teamwork, and strategic decision-making abilities. Passionate about cybersecurity research and emerging technologies, regularly following industry developments and security trends. Dedicated to continuous learning through technology documentaries, geopolitical analysis, and historical studies, enhancing broader understanding of global technological impact.