DARSHAN ATRUVAL SOMASHEKAR

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EDUCATION

Vidyavardhaka College of Engineering | Mysore, KA   Dec 2020 – Aug 2024

Bachelor of Engineering in Information Science | GPA - 7.93/10.

Coursework - Full stack development, Database Management System.

SKILLS

Languages/ Frameworks	-	Python, HTML, CSS, JavaScript, Bootstrap.
Database	-	RDBMS (MySQL), NoSQL (MongoDB).
Version Control	-	Git, GitHub.
Cloud Platform	-	Google Cloud.
Certifications	-	**NxtWave** – Programming Foundations with Python 🖃
		Google Cloud Platform – Associate Cloud Engineer Path 🖃
		Coursera – Introduction to Structured Query Language 🖃

EXPERIENCE

Web Development Intern – Prodigy Infotech 🖃   Apr 2024 - May 2024

- Acquired practical training in web development, focusing on HTML, CSS, and JavaScript.
- Built projects such as a To-Do List and Wikipedia Search Application to enhance technical proficiency.
- Acquired skills in frontend development, responsive design, and professional workplace communication.

PROJECTS

Penetration Testing – Secured Web Application ⭕   Oct 2023 – May 2024

- Developed a web security framework using Django, integrating automated scans to detect vulnerabilities such as SQL injection and cross-site scripting (XSS).
- Configured OWASP ZAP for comprehensive security assessments, including authenticated scans of Django's admin interface, to identify and mitigate potential threats.
- Implemented static code analysis tools to identify insecure coding practices, enhancing the overall security posture of the application.

Todo List - Web Application ⭕   Apr 2024 - May 2024

- Designed a dynamic To-Do List web application using HTML, CSS, and JavaScript, featuring functionalities such as task addition, deletion, and completion.
- Integrated Local-Storage for data persistence, ensuring tasks remain saved even after page reloads.
- Enhanced user experience by implementing a responsive design, ensuring seamless accessibility across various devices and screen sizes.

Canteen Automation System - Web Application ⭕   Nov 2022 – Feb 2023

- Designed an interactive web application for college canteen management, utilizing HTML, CSS, JavaScript, Bootstrap, and SQL, to reduce waiting times and minimize order errors.
- Implemented a real-time order tracking system with status notifications and smart queue management, providing wait time estimates and achieving a 92% user satisfaction rate in a post-implementation survey.
- Conducted user interviews and usability testing to improve the ordering flow, resulting in a 40% reduction in order errors through intuitive interface design.

Excel Data Processing and Automation Using Python ⭕   Apr 2022 – Jun 2022

- Developed a Python script utilizing the openpyxl library to load and interact with Excel files, enabling efficient data retrieval and manipulation.
- Implemented functionality to display student information, allowing users to view and select specific records for updates.
- Designed an interactive menu-driven interface, facilitating user-friendly data modification and ensuring data integrity through controlled input validation.

PUBLICATIONS

Fortifying Cybersecurity: VAPT Strategies with OWASP and Django Framework 🗎 **-** Explored security vulnerabilities using OWASP guidelines and implemented VAPT techniques in Django applications. Published in *JETIR, March 2024.*