PARAS VERMA

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Education

Vellore Institute of Technology   **Sep 2021 - May 2025**
B.Tech Computer Science and Engineering - ***CGPA: 8.62/10***

Technical Skills

Languages: C++, Java(Basics).
Web Development:Node.js, Express, RESTful APIs, MongoDB.
Tools & Platforms: Docker, Kubernetes, Git, GitHub, Postman, VS Code, CI/CD pipelines.
Methodologies:Agile (Scrum), JIRA, Confluence, Test-Driven Development (TDD).

Experience

Guardian Life   **Jan 2025 - Jun 2025**
iOS Developer Intern

- Developed the "Claim Filing" module for Guardian Life's Group Business insurance app, enabling users to submit and track claims for themselves and dependents.
- Wrote automation scripts to identify declared but unused code, improving code quality and reducing redundancy.
- Collaborated with backend engineers on API integration and delivered production-ready features.
- Participated actively in daily stand-ups and sprint planning, contributing to agile development and timely delivery.

Harman International (India) Pvt. Ltd.   **Sep 2023 - Nov 2023**
Software Developer Intern

- Worked on a Node.js microservice to process and store vehicle diagnostic data from OBD-II devices, enhancing data management and retrieval efficiency.
- Implemented a RESTful API for real-time vehicle health status retrieval, achieving a satisfactory improvement in response time.
- Collaborated with the frontend team to integrate the API into the user dashboard, providing live vehicle data and improving user experience.

Projects

GeoTrack Live | *Node.js, Express, Socket.IO, Leaflet.js*   **Aug 2024 - Oct 2023**

- Developed a real-time location tracking web app using Socket.IO for instant updates and Leaflet.js for interactive mapping, supporting multiple simultaneous users.
- Implemented Geolocation API and Leaflet.markercluster for efficient marker management, improving map readability for multiple user locations.
- Enhanced user interaction with manual marker placement and distance calculation features, providing a more engaging and informative user experience.

VoteVault | *Node.js, Express, JWT, Docker*   **Oct 2024- Dec 2024**

- Developed a secure web application enabling seamless online voting with features such as user registration, authentication, profile management, and encrypted password updates using bcrypt hashing.
- Incorporated JWT for authentication, environment variable management, and protected endpoints to ensure secure user interactions and data protection.
- Deployed with Docker and MongoDB integration, with ongoing learning in Kubernetes to enhance future scalability and reliability.

Achievements

- Co-founded and cultivated a community dedicated to offering mentorship and career guidance to university students through free sessions facilitated by industry experts and alumni.
- Featured as a Guest Speaker at **Aries Observatory, Uttarakhand**, and delivered Astronomy Talks at **Kodaikanal Solar Observatory, Tamil Nadu** to an audience of 1000+, including scientists and PhD scholars.