

PARAS VERMA

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Education

Vellore Institute of Technology

Sep 2021 - May 2025

B.Tech Computer Science and Engineering - CGPA: 8.54/10

Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming

Technical Skills

Languages: C++, Java(Basics).

Web Development: Node.js, Express, MongoDB.

Programming Skills: Data Structures and Algorithms.

Tools: Postman, VS Code, Docker.

Experience

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.

Google Developer Student Club (GDSC)

Sep 2023 - Jun 2024

Community-Lead

- Orchestrated and managed over 5 events, ensuring smooth coordination and high participant satisfaction, while effectively managing crowds of up to 1000 attendees.
- Directed the execution of 3 major programs, enhancing student engagement and fostering increased participation.

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.
- Played a pivotal role in curating a platform for students to engage with seasoned professionals, fostering career readiness and bridging the gap between academic learning and industry demands.
- Featured Guest Speaker at Aries Observatory, Uttarakhand.
- Presented Astronomy Talks at Kodaikanal Solar Observatory, Tamil Nadu to an audience of over 1000 attendees, including scientists and PhD scholars.