Deep Chakraborty

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Education

Vellore Institute of Technology, AP, B.Tech in Computer Science   Sept 2022 – pursuing
- GPA: 8.09/10
- **Coursework:** Computer Networks, DBMS, DSA, OOPs

Experience

User Interface Engineer, Pyramid AI Hub, Lawrenceville, GA   Oct 2024 – Jan 2025
- Built performant UI components using React for a retail anomaly detection system.
- Collaborated in a 2-member team to develop and enhance responsive frontend features.
- Optimized UI to reduce load times by 30%, significantly improving user experience.
- Followed agile methodology and actively participated in code reviews and peer debugging.

Projects

Bhraman Planner — AI Travel Itinerary Builder (React JS, Firebase, Gemini API)   bhraman-planner website
- Built a full-stack web app for personalized travel itineraries using Gemini API and Google Maps/Places.
- Integrated Firebase Auth and Storage for secure trip history.
- Achieved 90+ Lighthouse scores and 99.9% uptime.

MVA Community — Apartment Management Platform (React JS, Supabase)   mva-community website
- Developed role-based apartment platform for 50+ users with complaint, payment, and rental modules.
- Integrated Supabase Auth and real-time DB to automate workflows.
- Reduced manual complaint resolution time by 40%.

VWAY — Fresher's Orientation App (React Native, Maps API)   2023
- Created a campus guide for 300+ students with CGPA calculator, course info, and Maps navigation.
- Provided offline capabilities and improved onboarding during fresher's week.
- Reduced orientation support workload by 60%.

Skills

Languages: Python, JavaScript, C++, SQL

Technical Skills: React JS, React Native, Next JS, Redux, Supabase, Firebase, Express JS, MongoDB, PostgreSQL

Professional Skills: Design Understanding, Problem Solving, Team Collaboration, Visual Design

Certifications

- **Ethical Hacking (NPTEL)** – Jul–Oct 2024: Completed a 12-week course with a score of 70/100. Covered system vulnerabilities, pen-testing, and ethical hacking principles. [View]
- **Hacktoberfest 2023 – Tree Nation**: Contributed to open-source; a tree was planted in Tanzania to offset 140 kg CO_2. [View]

College Engagements

- **Event Management Co-Lead**, BongoJo (Bengali Club, VIT-AP): Coordinated cultural events like Saraswati Puja with 200+ attendees, improving turnout and participation.
- **Discipline Committee Member**, Vitopia Festival: Contributed to maintaining decorum and crowd flow, reducing disruptions by 20%.