

Deep Chakraborty

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Professional Summary

Full Stack Developer with expertise in React.js, Next.js, Node.js, and cloud-based architectures. Experienced in delivering scalable web applications, integrating APIs, and optimizing performance.

Education

Vellore Institute of Technology, AP, B.Tech in Computer Science

Sept 2022 – pursuing

- GPA: 8.47/10
- **Coursework:** Computer Networks, DBMS, DSA, OOPs

Work Experience

User Interface Engineer, Pyramid AI Hub, Lawrenceville, GA

Oct 2024 – Jan 2025

- Built performant UI components using React.js, JavaScript, and Redux 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

[Github Repo]

- Developed using React.js, Firebase, Gemini API and Google Maps API.
- 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

[live-link]

[Github Repo]

- 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%.

Placement Notifier – Backend Service — Node.js | Express.js | REST API

[GitHub Repo]

- Built and deployed a Node.js backend service using Express.js to notify students about placement drives, handling API routes, session management, and environment configurations.
- Implemented dotenv for secure environment variable management and structured the project with modular routes and middleware.
- Deployed successfully to a cloud platform with a professional README, ensuring scalability and production readiness.

Technical Skills

Programming Languages: Python, JavaScript, C++, SQL

Frameworks & Libraries: React.js, Next.js, Redux, Express.js, React Native

Databases: MongoDB, PostgreSQL, Firebase, Supabase

Tools & Platforms: Git, GitHub, Vercel, Render, Railway, Google Cloud

Professional Skills

Problem Solving, UI/UX Design Understanding, Team Collaboration, Agile Methodology

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 CO₂. [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%.