AERIN BHARATBHAI PATEL

Roll No.: Your Roll Number
Bachelor of Technology
Vellore Institute of Technology (VIT) Bhopal, Bhopal

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 GitHub Profile
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Education

Vellore Institute of Technology (VIT) Bhopal, Bhopal, MP   Aug 2022 – Present

- Pursuing Bachelor of Technology (B.Tech) in **Computer Science and Engineering** (3rd Year)
- Current CGPA: 8.92/10.0
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems

L.P. Savani Vidhyabhavan, Surat, Gujarat   Graduated May 2022

- Achieved 91% in 12th Standard GSEB
- Secured 94 percentile in JEE Mains

Experience

Full Stack Developer Intern, AmasQIS.ai   May 2025 – Oct 2025

- Developed and maintained a critical user-facing page (1 of 3) using **React, Tailwind CSS, and Vite**, significantly enhancing user experience for the Predictive Maintenance project.
- Engineered seamless integration of a **Python FastAPI backend** with a machine learning prediction model, improving data flow and connectivity to the frontend.
- Optimized data pipeline between ML model, backend, and frontend, enhancing application responsiveness and efficiency; contributed to frontend and backend development, improving predictive maintenance platform functionality and performance.

MEAN Stack Intern, Upstairs Technology   May 2025 – June 2025

- Implemented robust data uploading/retrieval system and advanced filtering for diamond polishing business, optimizing inventory and transaction management.
- Designed intuitive UI/UX and integrated web application features, enhancing employee access to critical business data.
- Collaborated with senior developers to deliver a streamlined web solution, improving client operational efficiency.

Projects

Denzo   github-Denzo

- Developed a modern task manager application with an intuitive user interface
- Implemented drag-and-drop functionality for easy task management
- Designed for seamless user interaction and currently under development

Cybersecurity Hackathon – Chrome Extension   github-Extension

- Created a browser extension to detect phishing and harmful links, enhancing user security
- Implemented features to analyze URLs and provide detailed reports on link safety
- Designed to prevent interaction with malicious websites and allow pre-visit analysis

Technologies

Languages: C++, C, React, Node.js, Mongodb, Express.js, typescript, websockets, Prizma & Orm, Docker, AWS, JWT, Git, Github, vercel, Postman