

ABHINAV CHAUDHARY

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Education

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science & Engineering

2022 – 2026

CGPA: 7.73

Technical Skills

Languages: Java, JavaScript, TypeScript, HTML, Python, C

Full Stack Development: ReactJS, Node.js, Express.js, GSAP, TailwindCSS, MongoDB, MySQL, PostgreSQL, REST APIs

Tools & Cloud Technologies: Figma, Git, Adobe Creative Suite, AWS (EC2, S3), Firebase, GitHub Actions, Vercel, OpenAI

Work Experience

REIL (Rajasthan Electronics & Instrument Ltd.), Jaipur

Dec 2024 – Feb 2025

Web Development Intern

- Engineered a mobile-based OTP calibration system for Milk Analyzers, streamlining calibration workflows and reducing manual errors.
- Collaborated with senior engineers, reducing manual calibration time by 60%.

Projects

Disease Predictor and Mapping

Jan 2025

Python, Flask, MySQL, Leaflet.js, D3.js, Scikit-learn

- Developed a web application where users can enter symptoms to receive predictions for more than 15 diseases, achieving 92% accuracy through model training.
- Created Flask-based APIs that connected the frontend with Scikit-learn models, processing over 500 prediction queries during testing.
- Designed interactive maps with Leaflet.js and visual dashboards with D3.js to display more than 1,000 disease cases and reveal geographic patterns.
- Structured a MySQL database containing over 10,000 symptom-disease records, allowing predictions and case histories to be stored and analyzed efficiently.

E-expense Tracker

Apr 2025

JavaScript, React.js, Node.js, MongoDB, D3.js, Chart.js

- Developed a full-stack application to manage and visualize over Rs.10K in simulated transactions across personal and business budgets.
- Implemented dynamic expense categorization and financial reporting dashboards for actionable insights.
- Incorporated D3.js and Chart.js for engaging, real-time data visualizations to help users identify spending trends.
- Deployed the solution on a secure cloud platform for seamless, multi-device access and synchronization.

ResuMate (AI-Resume Analyzer)

Ongoing

React.js, TypeScript, Puter.js, GSAP, Claude AI API

- Built a web app in React and TypeScript that scores resumes against job-specific descriptions and highlights areas for improvement.
- Integrated Puter.js for authentication, cloud storage, and database management to handle user resumes and analysis data.
- Connected Claude AI APIs to analyze resumes and generate targeted keyword and content suggestions.
- Enhanced user experience with GSAP animations and optimized load times, achieving sub-3 second analysis results.

Extra Curriculars

Badminton Coordinator, Annual Fest

2024

VIT Bhopal

- Oversaw scheduling and coordination of 12+ teams and 30+ matches without conflicts.

Tech Team Lead, Sports Fest

2023

VIT Bhopal

- Directed technical operations for a 7-day event, ensuring smooth execution with zero failures.

Silver Medalist, Air Rifle Shooting Nationals

2018

National Level

- Won silver at the national-level Air Rifle Shooting competition in junior category.

Trainings / Certifications

The Complete 2024 Web Development Bootcamp

Feb 2024 – Dec 2024

Udemy (Angela Yu), Virtual

Completed 60+ hours of intensive training and delivered 5+ full-stack projects using HTML, CSS, JS, Node.js, and React.