




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

Stores Rating Application

Aug 2025

React.js, Express.js, MySQL, JWT, GSAP, Charts.js

- Developed a role-based web application (Admin, Store Owner, User) enabling 50+ users to register, authenticate, and rate stores on a 1–5 scale.
- Implemented JWT-based authentication and authorization in Express.js, securing all REST API routes and supporting password updates.
- Built an admin dashboard displaying key metrics (users, stores, ratings) with filtering and sorting across 4+ attributes.
- Designed and optimized a normalized MySQL schema with 5+ tables, managing 1,000+ records to support ratings, histories, and reviews.

E-Expense Tracker

Jun 2025

React.js, Node.js, Express.js, MongoDB, TailwindCSS, JWT

- Built a full-stack expense tracker with responsive UI to log, categorize, and visualize 10K+ simulated transactions across personal and business budgets.
- Implemented JWT-based authentication with secure password hashing, enabling role-based access and password updates.
- Created interactive dashboards with charts to display spending patterns, achieving <200ms query response time from MongoDB.
- Structured a scalable MongoDB schema supporting 1,000+ users and real-time updates with efficient data retrieval.

Disease Predictor and Mapping

Apr 2025

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

- Developed a web application where users entered symptoms to predict 15+ diseases, reaching 92% accuracy with Scikit-learn models.
- Implemented Flask REST APIs to connect frontend with ML models, processing 500+ prediction queries during testing.
- Built interactive maps with Leaflet.js and dashboards with D3.js to display 1,000+ disease cases and reveal geographic patterns.
- Structured a normalized MySQL database of 10K+ symptom–disease records, enabling efficient storage and retrieval of predictions and case histories.

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.