Abhinav Chaudhary

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Education

Vellore Institute of Technology, Bhopal	**2022 − 2026**
B.Tech in Computer Science & Engineering	*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 that reduced manual steps and input errors in daily calibration.
- Partnered with senior engineers to redesign the calibration flow, cutting manual calibration time by about 60%.

Projects

AI Agent Builder (No-Code Agent Workflows) — *Nov 2025*
Next.js, React, TypeScript, TailwindCSS, Radix UI, Convex, Clerk, Gemini, React Flow, Zod

- Developed a no-code builder that lets users design and run multi-step AI agent workflows on a visual canvas using React Flow.
- Configured 5+ node types (AI agent, API call, condition, loop, user approval) with typed forms and validation via React Hook Form and Zod.
- Built a workflow engine that executes nodes in sequence and branches while keeping shared state and conversation history in sync.
- Integrated Google Gemini with user-selectable models (3+ options) for agent setup and streaming responses, backed by Clerk auth and Convex.

BookVerse (Social Book Discovery Platform) — *Aug 2025*
React, Node.js, Express, MongoDB, TailwindCSS, Framer Motion, JWT, Google Books API

- Created a web app where readers search from 1M+ books via Google Books API, filter by genre/metadata, and add titles to personal shelves.
- Added library management with status tags (e.g., "Read", "To Be Read"), supporting dozens of books per user without noticeable lag.
- Implemented 3+ social features so users send friend requests and view only approved friends' shelves, using JWT-protected routes and MongoDB relations.
- Introduced a backend mapping layer to clean up inconsistent API fields and paginated search to keep large queries responsive.

ResuMate (AI-Resume Analyzer) — *June 2025*
React.js, TypeScript, Puter.js, GSAP, Claude AI API

- Designed a web app that scores resumes against job-specific descriptions and highlights sections that need improvement.
- Used Puter.js for login, cloud storage, and database access to keep user resumes and analysis data tied to individual accounts.
- Called Claude AI APIs to review resumes and return targeted keyword and content suggestions for each job description.
- Kept average analysis time under 3 seconds with focused API calls and light GSAP animations on key user actions.

Extra Curriculars

Badminton Coordinator, Annual Fest — **2024**
VIT Bhopal
- Planned match schedules for 12+ teams and 30+ games, keeping brackets on time and avoiding slot clashes.

Tech Team Lead, Sports Fest — **2023**
VIT Bhopal
- Led the tech setup and support for a 7-day sports event, keeping scoring systems and announcements running without downtime.

Silver Medalist, Air Rifle Shooting Nationals — **2018**
National Level
- Secured silver medal at a national-level Air Rifle Shooting competition in the junior category.

Trainings / Certifications

The Complete 2024 Web Development Bootcamp — **Feb 2024 − Dec 2024**
Udemy (Angela Yu), Virtual
Completed 60+ hours of web development content and built 5+ full-stack projects using HTML, CSS, JavaScript, Node.js, and React.