

ZUBAIR MALLIK

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Education

MVJ College Of Engineering (VTU)

Bachelor of Technology in Computer Science — CGPA: 8.63

Dec. 2022 – Jul. 2026

Bengaluru, India

Experience

Full Stack Developer Intern at Atom360 (Berrycare)

May 2025 – Jul. 2025 — Bengaluru

- Engineered end-to-end features for backend services, REST APIs, and React frontend, improving usability and reducing production errors by **20%**
- Optimized React, Node.js, and Express.js codebases through **25+ pull requests**, resolving **30+ issues** to add features and fix bugs
- Strengthened **frontend-backend integration** for the patient-monitoring dashboard, report page, and cancer screening UI, enhancing UX and reducing latency by **40%**
- Streamlined backend architecture by eliminating **800+ redundant lines** of code, lowering maintenance overhead

Full Stack Developer Intern at Exposys Data Labs

Dec. 2024 – Feb. 2025 — Bengaluru

- Built React interfaces, REST endpoints, and database queries for **3+ client applications**
- Debugged and resolved **100% of assigned critical issues**, increasing platform stability and user experience
- Delivered features in **2-week agile sprints**, improving team collaboration and delivery speed

Projects

Agentic AI Career Guidance Platform | *React, TypeScript, Node.js, Express.js, MongoDB, Gemini, RAG*

Live

- Developed an **AI-driven platform** with **5 modular workflows** (recommendation, guidance, roadmap, resources, counseling) using RAG for context-aware recommendations
- Built and optimized **8+ backend APIs** for exams, scholarships, and resources, improving personalization and data flow
- Introduced a **mentorship module** with video-call transcription and LLM summarization, increasing user engagement by **30%** in beta

Role-Based Retail Platform with Live Analytics | *Next.js, Express, Stripe, Redis, TailwindCSS, Redux*

Live

- Architected a **full-stack retail platform** with role-based access, integrating **Stripe payments** and **Redis caching** to sustain **99.8% uptime**
- Implemented **advanced caching strategies**, reducing response times by **60%** and accelerating repeat queries by **180%**
- Designed an **analytics dashboard** tracking **10+ KPIs**, delivering real-time updates in under **250ms** for faster decision-making

Technical Skills

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

Frameworks/Libraries: React, Next.js, Node.js, Express.js, Prisma, Firebase, Redis, TailwindCSS, Zustand, Redux, Framer Motion, Auth.js, Clerk, Shadcn, Zod

Tools & Databases: Docker, AWS, Git, GitHub, Postman, Power BI, MongoDB, Redis, PostgreSQL, MySQL

Relevant Coursework: OOPS, DSA, OS, Computer Networks, Software Testing, Agile, API Design

Achievements

- Won 1st Place** out of 30+ teams in the Code Craze Hackathon for a full-stack web solution ranked highest for UI/UX and feature depth
- Awarded 1st Prize** among 100+ participants in the AI Innovator Challenge for devising an agentic AI approach leveraging LLMs for contextual insights
- Secured 3rd Place** among 70+ teams at the CyberForge National Hackathon by orchestrating and deploying an AI-driven platform within 12 hours
- Won 1st Prize** in a college-wide cybersecurity and algorithm competition, outperforming 100+ students from various domains
- Selected as Software Lead** for the IPD Club; spearheaded project development, mentored peers, and organized technical workshops
- Presented research** on "*SAHAAY: Virtual Policing for Real-Time Public Safety*" at a VTU State-level Exhibition; shortlisted among **500+ submissions** for innovation and impact