

Kunal Sharad Gawand

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Professional Summary

Full-Stack Software Developer with hands-on experience building production-style applications using the MERN stack (MongoDB, Express.js, React.js, Node.js) and REST APIs. Strong foundation in Java, Object-Oriented Programming, and Data Structures & Algorithms. Proven ability to design, develop, and deploy scalable web applications end-to-end, with additional exposure to AI/GenAI integration (LLMs, RAG pipelines, prompt engineering). CGPA 8.48/10, with Honors in Cyber Security.

Technical Skills

- **Languages:** Java, JavaScript (ES6+), Python, C, SQL, HTML5, CSS3
- **Full-Stack (MERN):** React.js, Node.js, Express.js, MongoDB, REST API Development, JWT Authentication, MVC Architecture
- **Other Frameworks:** FastAPI, OOP Concepts
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Cloud & DevOps:** AWS, Docker, Git, GitHub, CI/CD basics
- **AI/GenAI:** OpenAI GPT, RAG Pipelines, Prompt Engineering, LLM Integration, YOLOv8, OpenCV
- **Core CS:** Data Structures & Algorithms (Arrays, Linked Lists, Stacks/Queues, Trees, Sorting), OOP, DBMS, Operating Systems
- **Tools:** VS Code, Android Studio, Postman

Projects

Airbnb – Full-Stack Web Application

Aug 2025

JavaScript, Node.js, Express.js, MongoDB, REST APIs, JWT, Git

- Built a full-stack property rental platform end-to-end using the MERN-style stack, implementing secure JWT-based authentication, dynamic property listings, and search/filter functionality.
- Designed and consumed RESTful APIs for client-server communication, following MVC architecture for clean, maintainable, and scalable code.
- Delivered a fully responsive, cross-device UI with JavaScript and CSS, simulating a production-grade booking workflow from search to checkout.

ShikshakMitra AI – Multi-Modal AI Analytics Platform

Dec 2025

Python, FastAPI, React.js, YOLOv8, OpenCV, GPT, RAG, PostgreSQL, Redis, Docker, AWS

- Engineered a multi-modal AI system using YOLOv8, OpenCV, speech recognition, and NLP for real-time classroom engagement analysis.
- Designed a GPT-based RAG pipeline to auto-generate personalized insights and bias-aware performance reports, applying LLM and prompt-engineering concepts to a real product feature.
- Architected a scalable microservices platform (FastAPI, React.js, Docker, Redis, AWS) delivering live analytics via an interactive dashboard with sub-second response times.
- **National Recognition:** Finalist at IIT Bombay Techfest, Asia's largest tech festival, competing among top engineering teams nationwide.

Achievements & Hackathons

- **National Finalist – AWS Impact X Challenge, IIT Bombay Techfest:** Built an AI-based real-time safety and risk prediction system, recognized among top teams nationally.
- **Top 5 Finalist – IIT Bombay Techfest (ShikshakMitra AI Track):** Led a team building an AI-based teaching assistant to improve classroom efficiency.
- **Finalist – Hackatron, Infotsav'25, IIITM Gwalior (Oct 2025):** Selected in Top 100 of 800+ teams (6,000+ participants) in a national GitHub-powered hackathon.

Education

Sanjivani College of Engineering, Kopergaon

July 2023 – July 2027

B.Tech in Electronics and Computer Engineering (Honors: Cyber Security) – CGPA: 8.48/10.0

Certifications

- Oracle Cloud Infrastructure 2025 AI Foundations Associate – Oracle University (Oct 2025)
- Honeywell Future Skills Edge Program – Software Engineering Job Simulation (Apr 2026)
- Web Fundamentals – TryHackMe (Dec 2025)
- Project Management – Foundations of Planning, Execution & Delivery (Jan 2026)