

GANESH SADASHIV KALAPAD

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EDUCATION

MGM's College of Engineering, Nanded

2022 – 2026

B.Tech in Computer Science and Engineering • 12th: 83% • 10th: 75%

EXPERIENCE

Software Engineer Intern - FreshIn10 (YugaYatra Retail (OPC) Pvt. Ltd.)

Feb 2026 – May 2026

Remote

- Completed a structured 3-week onboarding in advanced JavaScript, React.js (Vite), Node.js/Express.js, and MongoDB/Mongoose before joining the live FreshIn10 quick-commerce codebase.
- Built geospatial order-routing APIs with Express.js and Mongoose to query the nearest micro-warehouse within a 5 km customer geofence and validate real-time stock before order confirmation.
- Implemented a real-time delivery-tracking engine using Socket.io WebSockets, secured routes with JWT authentication and custom middleware, and resolved a checkout race condition by using atomic MongoDB increment operations within transaction blocks.

PROJECTS

FreshIn10 – Quick-Commerce Delivery Platform

Internship Project

React.js (Vite), Node.js, Express.js, MongoDB, Redis, Socket.io, Docker

- Contributed full-stack features to a hyper-local grocery delivery platform built to fulfill orders within a 10-minute window across customer, admin, and delivery-partner portals.
- Built responsive React.js UI modules including a dynamic checkout pipeline and a live order-tracking map using Leaflet; ran Lighthouse audits and pushed performance scores past 90 via WebP images, lazy loading, and CI-ready Docker builds.

AI Ecommerce Personalization Rules Engine

Jun 2026 - Jul 2026

Next.js 15, Tailwind CSS, Prisma, SQLite, OpenAI GPT-4o-mini, JWT

- Built a hybrid shopper-classification engine combining a 2ms deterministic rules layer with GPT-4o-mini reasoning to classify users into eight intent states (Loyal Customer, Cart Abandoner, Discount Seeker, and others) with evidence, confidence scores, and recommended marketing nudges.
- Implemented JWT-secured admin authentication, session persistence via Prisma/SQLite, and RAG-based retrieval of historical customer sessions; built an interactive simulator and analytics dashboard with live event streaming and A/B variant tracking.

Real-Time News Sentiment Analysis & Summarizer

Jul 2025 - Dec 2025

Python, NLTK, TextBlob, Pandas, Matplotlib

- Built a real-time news sentiment analysis and summarization pipeline using Python, NLTK, and TextBlob for NLP classification across technology, politics, and finance domains.
- Developed a web scraping module to aggregate and summarize live news with Pandas, visualized sentiment trends with Matplotlib, and deployed an interactive dashboard via Render; findings published in the IJIRT journal.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript (ES6+), TypeScript, SQL, Data Structures & Algorithms (DSA), OOP

Frontend: React.js, Next.js, Vite, HTML5, CSS3, Tailwind CSS, Framer Motion, Zustand, Redux Toolkit

Backend & Database: Node.js, Express.js, PHP, MongoDB, Mongoose, MySQL, Prisma ORM, Redis, Socket.IO, REST APIs

AI / Data: OpenAI GPT-4o-mini, RAG, Prompt Engineering, Responsible AI Principles, NLTK, TextBlob, Pandas, Matplotlib

Cloud & DevOps: Git, GitHub, Docker, Vercel, Render, AWS, Google Cloud, JWT Authentication, Turborepo, CI/CD, Postman, Agile/Scrum

ACHIEVEMENTS

- Published a research paper in the IJIRT journal on Real-Time Sentiment Analysis & Summarization.
- Event Coordinator, VisioTech 2025 - managed technical events, coding competitions, and logistics for 500+ attendees at MGM's College of Engineering.
- Student Ambassador, Devtown, and active participant in Google Developer Groups (GDG) events and national-level hackathons.
- Participated in the SparkIgnite Ideathon 2024 (GDSC MGMCOE, Nanded), collaborating on innovative solutions with mentorship from industry experts.

CERTIFICATIONS

- Machine Learning – Infosys Springboard
- Foundations of Prompt Engineering - Amazon Web Services (AWS), Issued July 2026
- Introduction to Responsible AI – Google Cloud
- Applying AI Principles with Google Cloud – Google Cloud
- NPTEL IoT Certification – Certificate of Excellence
- Deloitte Australia Data Analytics Job Simulation – Forage