

OMKAR BANDIKATTE

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Education

SVKM's Dwarkadas J. Sanghvi College of Engineering

Mumbai, India

Bachelor of Technology in Computer Science and Engineering (Data Science) - 8.68 CGPA

Aug 2023 - June 2027

Experience

Periscope Technologies Inc.

January 2026 – May 2026

SDE Intern

India

- Led development of an AI-powered healthcare workflow system, reducing manual interaction time by 40% through automation of patient search and clinical navigation.
- Built and deployed FastAPI-based microservices using **Apache Kafka** for asynchronous processing of clinical data streams and **Redis** for distributed caching, handling 1000+ clinical queries/day with sub-100ms latency.
- Collaborated with product and frontend teams to deliver voice-enabled AI interactions, improving task completion speed by 30% for healthcare professionals.

Projects

FairHire - AI Interview Assistant | *Next Js, Tailwind CSS, Vercel AI SDK, Gemini API, Whisper API*

v0-ai-interview-assistant-theta.vercel.app | github.com/omkarbandikatte/fairhire

- Developed a real-time AI Interview Assistant simulating mock interviews with voice input using Whisper API.
- Integrated LLM-powered feedback using Gemini API for personalized, instant evaluation of responses.
- Deployed fully on Vercel with responsive UI built in Next.js and Tailwind CSS.

Agriti – Agriculture Intelligence Platform | *Python, FastAPI, LLMs, Computer Vision*

<https://github.com/omkarbandikatte/Agriti>

- Developed an AI-driven advisory system that analyzes crop conditions, farmer inputs, and environmental factors to generate actionable farming recommendations.
- Built backend pipelines for document/image understanding, automated insight generation, and multilingual responses for accessibility across rural users.
- Designed scalable APIs and modular services enabling integration with mobile and web applications for real-time decision support.

DemandIQ - AI Demand Forecasting | *Next JS, Tailwind CSS, Chart JS, REST API, Vercel*

demand-iq.vercel.app | github.com/omkarbandikatte/DemandIQ

- Built a responsive AI-powered dashboard for visualizing product demand trends and sales forecasting.
- Integrated REST API-based datasets with Chart.js visualizations and deployed fully on Vercel.

YouTube Video Summarizer | *Python, Groq LLM, YouTube Transcript API, Streamlit*

github.com/omkarbandikatte/AIVideoSummarizer

- Generated concise summaries, key takeaways, and exam-style MCQs from YouTube video transcripts.
- Optimized latency with prompt caching and regex-based transcript parsing for LLM input.

Skills

Languages: Python, Java

Web Development: JavaScript, ReactJS, NextJS, Tailwind CSS, MongoDB, Node.js, REST API, PostgreSQL

Tools & Frameworks: Flask, FastAPI, Streamlit, OpenCV, Apache Kafka, Redis, Git, Postman, PowerBI

AI/ML: TensorFlow, PyTorch, Scikit-learn, NLP, Deep Learning, Generative AI, LLMs

Achievements and Participation

- 1st Runner Up - Digital Healthcare Periscope Hackathon ([Click Here](#))
- 2nd Runner Up - Xtract 3.0 Data Science Competition ([Certificate](#))
- Top 10 in HackWithMumbai Hackathon ([Certificate](#))
- AI Smart City Hackathon (ByteCamp25): Integrated waste, flood, and solar systems in 24 hours ([Repo](#))
- Scroll Hack: Built Doud-SirJi AI chatbot with blockchain-based login ([Certificate](#))
- Qualified Technograd Round 2 - Data Science and Machine Learning Challenge

Certifications

Postman API Fundamentals Student Expert Certification

AWS Academy Graduate - Cloud Foundations

Software Engineering Job Simulation (Forage)

Data Analytics Job Simulation (Deloitte)