

BHAVESH KANOJE

AI / ML Engineer • Generative AI • Computer Vision • LLMs & Agentic AI

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Professional Summary

AI/ML Engineer with 2+ years of research and industry experience building production-grade Generative AI, Computer Vision, and NLP systems. B.Tech (Hons.) in AI with research at IIST and industry work across Agentic AI, LLM fine-tuning, RAG, and multimodal pipelines. Oracle Certified Generative AI Professional with measurable impact — 97.47% real-time vision accuracy, 95% on deep learning models, ~60% workflow automation gains.

Technical Skills

Languages: Python, C++, SQL, JavaScript/TypeScript, R

Generative AI & LLMs: LLM Fine-Tuning, RAG, Agentic AI, Prompt Engineering, LangChain, LlamaIndex, Hugging Face Transformers, Vector DBs (FAISS, Pinecone, ChromaDB), GANs, Diffusion Models, Multimodal AI, TTS

ML / Deep Learning: PyTorch, TensorFlow, Keras, Scikit-learn, CNNs, LSTMs, Transformers, Model Optimization, MLOps

Computer Vision: OpenCV, YOLOv8, MediaPipe, Object Detection, Image Segmentation (U-Net), Video Anomaly Detection

Cloud & Deployment: AWS (SageMaker, EC2, S3), Docker, Git/GitHub, CI/CD, REST APIs, FastAPI, Streamlit, Linux

Professional Experience

AI Engineer | eQOURSE — Kota, India

Jan 2026 – Present

- Design and deploy applied AI solutions, automated data pipelines, and intelligent workflows on cloud infrastructure, streamlining operations and accelerating business decision-making.
- Deliver AI-driven analytics for digital growth — SEO performance modeling and lead-scoring pipelines — directly improving conversion and engagement KPIs.
- Partner with cross-functional teams to translate business requirements into scalable, production-ready AI services.

Generative AI Engineer (Intern) | Reality AI — Gurugram, India (Remote)

May 2025 – Nov 2025

- Built Voice AI and Agentic AI applications using LLMs, multimodal architectures, and real-time streaming pipelines for production deployment.
- Engineered end-to-end multimodal media-processing systems integrating speech, vision, and text models, reducing manual content workflows by ~60%.
- Optimized LLM inference and prompt orchestration; authored technical documentation and presented experimental results to leadership.

Research Intern — Deep Learning | Indian Institute of Space Science & Technology (IIST)

Feb 2024 – Jul 2024

- Developed a GAN-augmented ResNet50 + LSTM pipeline for video anomaly detection in surveillance feeds, achieving 95% accuracy on benchmark datasets.
- Conducted satellite-imagery analysis using CNNs; owned the full pipeline from preprocessing to evaluation in PyTorch and TensorFlow.

Key Projects

Smart Parking & Surveillance System | Python, YOLOv8, OpenCV, Streamlit

[GitHub](#)

- Achieved 97.47% real-time parking-slot detection accuracy (100% recall, 92.42% precision) — 7.47% above the 90% industry benchmark — and integrated YOLO-based human fall detection with live alerting dashboard.

Bhavesh AI — Voice Cloner & Zero-Shot TTS | Python, Llama (0.5B), Transformers, PyTorch

[GitHub](#)

- Built a real-time zero-shot text-to-speech system on a 0.5B-parameter Llama backbone that clones any voice from <10 seconds of audio, with emotion control, a Streamlit UI, and a Python API.

Disaster Impact Analyzer — Multimodal AI Suite | PyTorch, TensorFlow, U-Net, Gemini API

[GitHub](#)

- Engineered a 4-model multimodal suite — image classification, speech-to-text severity analysis, U-Net satellite flood segmentation, and a Gemini meta-model — unified in one interface for government disaster response.

Cybersecurity Threat Classification | Scikit-learn, Pandas, CICIDS2017

[GitHub](#)

- Benchmarked Random Forest, MLP, and SVM for network-intrusion detection on CICIDS2017, reaching 97.72% accuracy (97.57% F1) with feature selection via SelectKBest.

Education

B.Tech (Honours) in Artificial Intelligence | Chhattisgarh Swami Vivekanand Technical University, Bhilai 2021 – 2025

Certifications & Achievements

Certifications: Oracle Cloud Infrastructure 2025 Certified Generative AI Professional • AWS Data Analytics • NPTEL: AI for Investments, High-Performance Scientific Computing

Achievements: Winner — Hacksprint Hackathon (OP Jindal University) • Semifinalist — I.Mobilothon 4.0 (Volkswagen Group) • Lead Project Coordinator, Programmer's Paradise Coding Club