JASWANTH B

OBJECTIVE

Versatile AI Engineer with expertise in machine learning, GenAI, MLOps, and full-stack development. Proficient in deploying ML models, building intelligent web applications, integrating LLMs, and automating workflows using tools like n8n, Twilio, FAISS, and LangChain. Strong ability to deliver scalable AI-powered systems by blending model development with clean frontend/backend architecture. Actively seeking challenging roles that require AI-driven problem solving across real-world pipelines.

EDUCATION

B.Tech in Artificial Intelligence and Data Science
Karpagam College of Engineering, Coimbatore
2022 – 2026 | CGPA: 7.8 / 10

EXPERIENCE

MLOps & AI Engineering Intern
DataRevealAI, Coimbatore
March 2025 – present

- Developed and containerized PyTorch-based financial models using Streamlit and Docker.
- Built modular dashboards using React.js and Tailwind CSS for real-time data visualization.
- Created an AI-based voice call center prototype using Twilio, ElevenLabs, and n8n.
- Automated email campaign workflows using n8n triggered by user form submissions and integrated with CRM endpoints.

Freelance Full-Stack AI Developer
Remote | May 2025 – Present

- Built a Resume Builder Platform with GenAI integration for automatic content generation.
- Designed and currently developing a Startup–Investor Platform with pitch file upload, AI-generated summaries, and investor recommendation logic.

PROJECTS

Food Vision Pro – Vision Transformer Image Classifier
Tech Stack: PyTorch, Vision Transformers (ViT), Gradio

- Implemented Vision Transformer (ViT) architecture based on the paper "An Image is Worth 16x16 Words."
- Achieved 92% accuracy on a multi-class food classification dataset.
- Deployed a real-time classifier using Gradio for web-based usage.

Object and Crowd Detection (Computer Vision)
Tech Stack: OpenCV, YOLOv8, NumPy, Docker

- Designed a real-time object detection and crowd density estimation system using YOLOv8.
- Implemented crowd tracking logic based on bounding box clustering.
- Dockerized the project for reliable deployment across devices.

Spam Mail Detection
Tech Stack: Scikit-learn, Streamlit

- Built a binary classifier using Naive Bayes and TF-IDF with 95% accuracy.
- Deployed via Streamlit for browser-based interaction.

E-Commerce Mini Store (Mock UI)
Tech Stack: React.js, Tailwind CSS, JSON Server

- Created a responsive frontend with product listings, cart management, and checkout simulation.
- Used JSON Server to emulate RESTful API behavior for testing and development.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, Java, SQL
- **Machine Learning & Deep Learning:** PyTorch, Scikit-learn, TensorFlow, OpenCV, YOLO
- **Web Development:** React.js, Tailwind CSS, FastAPI, Django
- **Devops:** Docker, Git, Streamlit, VS Code, Jupyter Notebook
- **GenAI Tools:** LangChain, Hugging Face, FAISS, OpenAI API, ElevenLabs, Twilio, n8n.
- **Databases :** PostgreSQL

CERTIFICATIONS

- PyTorch for Deep Learning Bootcamp – Udemy (May 2025)
- Data Analytics with Python – NPTEL (January 2024)
- Machine Learning and Deep Learning – NPTEL(October 2024)
- Qlik Business Analyst Qualification – Qlik (October 2024)

ACHIEVEMENTS

- Top 25 Rank – NeoCodeathon 2024 (among 500+ participants)
- Delivered production-ready GenAI prototypes to real clients as a solo freelancer