Kishan K

AI & Software Engineer | Machine Learning & Cloud Developer
Email: kishanknaik03@gmail.com | Tel: +91-6360333428
LinkedIn: linkedin.com/in/kishan-k-823049259 | GitHub: github.com/kishanaik5 | Hugging Face: huggingface.co/kishanaik5

PROFESSIONAL SUMMARY

AI Engineer skilled in Python, machine learning, and cloud development. I build and deploy scalable AI pipelines, automation systems, and full-stack applications. My focus is on delivering production-ready solutions and advancing model performance through explainable AI research.

EDUCATION

Ramaiah Institute of Technology, Bengaluru 2021–2025
B.E. in Artificial Intelligence and Machine Learning
• CGPA: 8.6 / 10

SKILLS

Programming:	Python | C/C++ | SQL
AI & ML:	TensorFlow | PyTorch | Scikit-learn | Transformers | CNNs | LSTMs | ViT | OpenAI API
MLOps & DevOps:	Docker | MLflow | DVC | Jenkins | CI/CD | GitHub Actions | SageMaker | Vertex AI
Web/Backend:	React.js | Node.js | FastAPI | Django | REST APIs | Express
Cloud Platforms:	AWS | GCP | Azure | Render | Vercel | Hugging Face Spaces
Chatbots & LLMs:	LangChain | Rasa | Dialogflow | Streamlit | HuggingFace | LiveKit
Databases:	MongoDB | MySQL | PostgreSQL | FAISS | MongoDB Atlas
Visualization:	Tableau | Power BI | Matplotlib | NumPy | Pandas

EXPERIENCE

Sumedha Design Systems Pvt. Ltd. – AI-Automation Intern Hyderabad | Feb 2025 – Aug 2025

- Developed Retrieval-Augmented Generation (RAG) pipelines using LLMs for automating MCQ generation and requirement–response workflows in the VLSI domain.
- Built multi-agent AI systems that enhanced content personalization and learner engagement.

Pragami Solutions Pvt. Ltd. – Machine Learning Intern Bangalore | Jan 2025 – Feb 2025

- Delivered a full-stack Productivity Management System to streamline operations for small-scale industries.
- Conducted research on lung disease prediction using MRI data with CNN-based models for improved diagnostic accuracy.

PROJECTS

NLP Health Tracker – Full-Stack Fitness Dashboard 2025
Developed a cloud-based dashboard integrating NLP for intelligent activity logging and analytics. Designed a React/Material-UI interface with a Node.js/Express backend using NLP APIs and Google Sheets for scalable storage.
• *Key Technologies:* React.js, Node.js, NLP APIs (Nutritionix), Google Sheets, REST APIs

Retrieval-Augmented Generation Solution – AI Automation for VLSI 2025
Engineered an AI-powered RAG system using Transformers and prompt engineering to automate MCQ generation for VLSI education. Integrated MongoDB for scalable storage and AWS for deployment.
• *Key Technologies:* Python, HuggingFace Transformers, MongoDB, AWS EC2/S3, Prompt Engineering

Productivity Management System – Full-Stack Web App 2025
Designed a task-tracking system for manager–employee workflows using the MERN stack and Google APIs. Optimized MongoDB queries for real-time performance and and deployed on cloud platforms.
• *Key Technologies:* Node.js, MongoDB Atlas, React, Google API Text-to-Speech, Git, Render

Domestic Waste Segregation Using Deep Learning 2024
Built an IoT-based smart waste segregation solution using ESP-32 and Inception ResNet V2, achieving 92.5% test accuracy. Developed a user interface for dataset uploads and live model testing.
• *Key Technologies:* PyTorch, ReactJS, Flask, ESP-32

Mental Health Chatbot Using LLMs – Smart India Hackathon 2023
Created a user-centric AI chatbot leveraging RNN-LSTM and Transformers for context-aware mental health conversations.
• *Key Technologies:* Python, TensorFlow, NLTK, Transformers, Flask

PUBLICATIONS & CERTIFICATIONS

Performance Evaluation of Deep Learning Models for Predicting Alzheimer's Disease IEEE Bangalore Section, 2024
Enhancing Predictive Maintenance with SHAP and LIME: A Framework for Explainable AI ICAI – ARSSS, 2025