

Kishan K

AI & Software Engineer | Python & ML Developer | Cloud Developer
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Open to Relocation: UAE, Qatar, Oman, Kuwait

PROFESSIONAL SUMMARY

Dynamic AI & Software Engineer with proven competencies in Python, Machine Learning, and Cloud Development. Open to relocation across UAE, Qatar, Oman, and Kuwait. Experienced in building high-impact backend systems, automation solutions, and deploying scalable full-stack applications on cloud platforms. Recognised for strong project deliveries, teamwork across diverse environments, and contributing to published technical research. Eager to join immediately and deliver excellence in innovative technology teams.

EDUCATION

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

CORE COURSEWORK

Machine Learning	Deep Learning	Data Structures & Algorithms
Natural Language Processing	Computer Vision	Project Management
Database Management Systems	Object-Oriented Programming (OOPS)	Operating Systems

SKILLS

Programming Languages:	Python C / C++ Java SQL
Web & App Development:	HTML CSS JavaScript Django React.js Node.js FastAPI REST API Express Android Studio
ML Frameworks & Libraries:	TensorFlow PyTorch NumPy Keras Scikit-learn Transformers NLTK Vision Transformers (ViT) LLMs
Databases:	MongoDB MySQL PostgreSQL Google Cloud Datastore AWS RDS MongoDB Atlas FAISS
Data & Visualization Tools:	Tableau Power BI
Cloud Platforms & Automation:	Google Vertex AI AWS EC2 Amazon SageMaker S3 Buckets Google Cloud Platform Git Docker UiPath Studio Selenium Clay Apify

EXPERIENCE

Sumedha Design Systems Pvt. Ltd. – AI-Automation Intern	Hyderabad, India Feb 2025 – Present
▪ Developed RAG solutions using LLMs to automate 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, India Jan 2025 – Feb 2025
▪ Delivered full-stack Productivity Management System to streamline operations for small-scale industries.	
▪ Conducted research on lung disease prediction with MRI data, demonstrating advanced data analysis skills.	
Unified Mentor Pvt. Ltd. – Data Science Intern	Remote Jul 2024 – Sept 2024
▪ Analyzed business and financial datasets (Amazon sales, stock market, aviation), providing actionable insights using Python and Tableau.	

PROJECTS

NLP Health Tracker – Full-Stack Fitness Dashboard	2025
Developed a cloud-based full-stack dashboard integrating NLP for intelligent activity logging and analytics. Enhanced user experience with a React/Material-UI interface and dynamic visualizations (Recharts). Designed Node.js/Express backend leveraging NLP APIs for free-text parsing and Google Sheets for scalable data 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, driving content efficiency and personalization.	
▪ Key Technologies: Python, HuggingFace Transformers, MongoDB, AWS EC2/S3, Prompt Engineering	
Productivity Management System – Full-Stack Web App	2025
Designed and delivered a task-tracking system for manager–employee workflows using MERN stack and Google APIs. Optimized MongoDB queries for real-time performance and deployed on cloud platforms for business use.	
▪ 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 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 responsive, context-aware conversations in mental health support.

- *Key Technologies:* Python, TensorFlow, Huggingface LLaMa API, ReactJS, Streamlit

PUBLICATIONS

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

CERTIFICATIONS

100 Days of Code: The Complete Python Pro Bootcamp	Udemy
Machine Learning, Data Science and Generative AI with Python	Udemy
Complete Data Science, Machine Learning, Deep Learning, NLP Bootcamp	Udemy
Introduction to Microsoft Azure Cloud Services	Coursera
AWS Cloud Support Associate	Coursera