Ashok Suthar

AI &Machine Learning Engineer | Data Scientist | Gen AI Specialist

✉ ashoksuthar48697@gmail.com 📞 9618531809 📍 Hyderabad, Telangana in Linkedin ○ Github 🔗 Portfolio

EDUCATION

B.S. in Data Science   2022 – 2026
Indian Institute of Technology, Madras | CGPA : 8.0

B.Tech in Artificial Intelligence   2022 – 2026
Vidya Jyothi Institute of Technology | CGPA : 9.4

WORK EXPERIENCE

AI Engineer | Relai - Real Estate Startup   04/2025 – 06/2025
- Built and fine-tuned **RAG pipelines with LangChain, LoRA, and Vector Databases**, improving customer query resolution by 40%.   Hyderabad
- Automated customer service systems with **LLMs and NLP models**, reducing manual support load by 60%.

AI Developer | Swecha   05/2025 – 07/2025
- Fine-tuned **Telugu LLMs using HuggingFace & LoRA pipelines**, boosting accuracy for regional language tasks by 35%.   Hyderabad
- Applied **prompt engineering and generative AI techniques** to deploy production-ready conversational agents.

IoT & Machine Learning Researcher | Osmania University   06/2023 – 09/2023
- Researched and implemented **computer vision + ML models** for robotics achieving 97% pattern recognition accuracy.   Hyderabad
- Conducted **statistical analysis and ML experiments**, optimizing model performance across IoT systems.

PROJECTS

InSure: Automatic Insurance Claim | YoloV8, Deep Learning, CrewAI, React.js 🔗   06/2024 – 09/2024
- Developed **fraud detection ML models** with statistical validation, reducing anomalies in claims by 25%.
- Built an **automated damage detection pipeline (YOLOv8 + Deep Learning)** with 98% accuracy.

Bangalore Traffic Load Management | Agentic AI, Google ADK, Mastra, Google Services 🔗   06/2025 – 06/2025
- Designed **data-driven ML pipeline with Agentic AI agents** to optimize real-time traffic predictions.
- Implemented **automated analytics workflow**, cutting traffic data processing time by 80%.

TaxsMart: Taxing Solution | Crew AI Agent, Deep Learning, Analysis, MongoDB, NLP 🔗   07/2024 – 08/2024
- Built **NLP-powered chatbot with LLM + RAG integration** for real-time tax calculations and fraud detection.
- Developed **multimodal ML models** for automated tax claim processing, reducing errors in compliance workflows.

SKILLS

- Artificial Intelligence: Generative AI (LLMs), RAG Pipelines, Machine Learning, Deep Learning, NLP, Computer Vision, Predictive Analytics, RAG Pipelines, Knowledge Graphs, Multi-Agent Systems, Reinforcement Learning,Transformers

- Database: MySQL, MongoDB, PostgreSQL, Supabase

- Math & Stats: Linear Algebra, Probability, Statistics, Algorithms, Data Modeling, Statistical Analysis.

- Data Analytics & Visualization: Python , Data Analysis, Data Mining, Statistics, Power BI, Tableau, Google Sheets, Excel

- Frameworks: PyTorch, TensorFlow, HuggingFace, Keras, LangChain ,LangGraph, FastAPI, Flask, Docker , Data Pipelines, Workflow Automation.

- Soft Skills: Problem-Solving, Analytical Thinking, Critical Thinking, Team Collaboration, Leadership

HACKATHONS & AWARDS

Leadership Roles : Served as President of the DSS Tech Club and currently serve as the Placement Coordinator at my college.

Hackathon Champion: Winner of MatHack 2.0 (Govt. of Telangana), Tic-Tech-Toe 2024 (IEEE, DA-IICT), and CodeStorm (JNTU).

Certifications: AWS Machine Learning Specialty, Coursera Deep Learning Specialization, Coursera Generative AI with Large Language Models