

John Shajan

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PROFESSIONAL SUMMARY

AI practitioner skilled in predictive modeling, Generative AI (LLMs, RAG), and scalable data solutions. Experienced in Python, TensorFlow, and cloud-based AI apps. Proven ability to build PoCs and communicate insights. IBM-certified in Machine Learning.

SKILLS

Technical Skills:

- **Programming & Frameworks:** Python, Java (Basics), TensorFlow, Scikit-learn, Hugging Face, Streamlit, Flask.
- **AI/ML & Data Science:** Predictive & Prescriptive Modeling, Classical Machine Learning Technique, RAG Systems, Prompt Engineering.
- **Data Handling:** Data Cleansing & Integration (Pandas, SQL), NumPy, Matplotlib.
- **Cloud & Tools:** Cloud Platform Integration, Git, Flowise.
- **Databases:** MongoDB, SQL, Qdrant, Pinecone.

Soft Skills:

Communication, Teamwork, Problem-Solving, Adaptability, Leadership

EXPERIENCE

Jr. Software Engineer

06/2024 – present | Kochi, India

Zealogics IT Solutions

- Developed predictive models and document classifiers using Scikit-learn and TensorFlow, improving document QA and **reducing** manual effort.
- Built and tested RAG pipelines and PoCs using LlamaIndex and Qdrant for scalable document intelligence.
- Deployed ML solutions through Azure DevOps, streamlining code delivery and team collaboration in the cloud.
- Developed HR GenAI agents with **Flowise and LangChain**, integrating internal data to automate tasks like query handling, document generation, and insights delivery.
- Documented architectures, design choices, and PoC results to support team learning and future development.

PROJECTS

Conversational AI Agent (RAG + LLMs)

- Built a real-time document Q&A system using LlamaIndex, Qdrant, and Streamlit + Flask APIs with LLM chains and scalable vector search.

Enterprise GenAI Solutions

- Built GenAI apps with Flowise and LangChain to enhance workflows, integrating domain data and APIs for production-grade solutions.

Retail Sales Data Analysis

- Conducted exploratory data analysis (EDA) and developed predictive models to forecast sales patterns and trends.

EDUCATION

Bachelor of Technology in Computer Science

2020 – 2024 | Thrissur, India

Sahrdaya College of Engineering & Technology

Academic Achievements :

- **CGPA:** 8.18
- **Paper Published (IEEE):** Final project presented at MIT ADT Conference (2024) – demonstrated AI application in document intelligence.

CERTIFICATES

- Machine Learning with Python – IBM (Coursera)
- Prompt Engineering – Dubai 1 Million Prompts Initiative