



VENKATA SAI YAKKSHIT REDDY ASODI

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Summary

Innovative AI Engineer with expertise in LLMs, RAG systems, and document processing pipelines. Proven track record of building and deploying production-ready AI solutions in fast-paced startup environments. Passionate about leveraging cutting-edge AI to simplify complex bureaucratic processes and create user-friendly automated solutions. Strong background in full-stack development enabling end-to-end AI system implementation.

Technical Skills

AI/ML - LLMs, RAG, Langchain, Hugging Face, Document AI, Recommendation Systems

Languages - Python, JavaScript, SQL, HTML5, CSS3

Frameworks - FastAPI, React, Jupyter, PyTorch, TensorFlow

Cloud & Tools - AWS, Azure, Docker, Kubernetes, Git, MLflow

Experience

Circleup AG

Lead AI/ML Engineer

December 2023 – July 2024

Zurich, Switzerland

Responsibilities:

- Architected and implemented production-grade RAG systems and LLM pipelines for automated document processing and information extraction, achieving 85% reduction in manual processing time. Built and deployed custom agents for document analysis and form filling.
- Developed scalable recommendation engines using FastAPI and Azure AI services, processing 100k+ documents monthly. Implemented comprehensive evaluation frameworks for continuous monitoring of LLM performance and accuracy.

Environment: Python, FastAPI, Azure AI, LangChain, Docker, Jupyter, MLflow

Cedzlabs

AI Solutions Engineer

March 2023 – July 2024

India

Responsibilities:

- Built end-to-end document processing systems using transformer models and custom RAG pipelines, reducing processing time by 70%. Developed and deployed AI agents for automated data extraction and form filling, handling complex document structures and varying formats.

Environment: Python, Hugging Face, AWS, FastAPI, Docker, LLMs

Projects

Intelligent Document Processing System | Azure AI, FastAPI, RAG

2023-2024

Description:

- Developed a comprehensive document processing platform using RAG and LLM-powered agents. Built custom pipelines for document understanding, information extraction, and automated form filling. Implemented sophisticated recommendation engine for document classification and routing. Deployed on Azure with high-availability architecture processing 10,000+ documents daily.

Tools: Python, FastAPI, Azure AI, LangChain, Docker, Kubernetes

Tender Matching Engine | AWS, LLMs, RAG

2023

Description:

- Built an AI-powered system for matching companies with relevant government tenders using custom RAG pipelines and recommendation algorithms. Implemented automated tender document analysis and requirement extraction, improving matching accuracy by 65%.

Tools: Python, AWS, Hugging Face, FastAPI, Docker

Achievements / Contributions

- Developed open-source RAG framework for document processing with 1000+ GitHub stars.
- Led workshops on implementing production-grade LLM systems and document processing pipelines.
- Published technical blog posts on optimizing RAG systems for enterprise document processing.

Strengths: AI system architecture, rapid prototyping, problem-solving, communication

Languages: Telugu - Native | English - Fluent | Hindi - Fluent | German - Elementary | Swedish - Elementary