Eswar Sai Korrapati

551-344-5356 | eksai0726@gmail.com | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

AI/ML Engineer with 3+ years of experience delivering production-grade machine learning, LLM, and agentic AI systems. Skilled in AWS, SageMaker, Kubernetes, Docker, LangChain, LangGraph, Airflow, MLflow, and Spark. Strong focus on multi-agent automation, LLM orchestration, and scalable deployment pipelines in Agile environments.

EXPERIENCE

Software Engineer – AI
eSentire
Oct 2025 – Present
Pleasanton, CA

- Built supervisor based multi-agent workflow using LangChain and AWS Lambda, reducing dashboard setup time by 40%.
- Created structured JSON schemas with endpoints, UI components and layout logic, improving dashboard accuracy by 30%.
- Developed RAG pipelines for pulling schema and UI metadata, cutting onboarding time by 50%.
- Used prompt engineering principles to stabilize agent output and reduce validation errors.
- Improved deployment reliability via CloudWatch monitoring and Kubernetes rollouts.

Software Engineer – AI
Comcast
Aug 2024 – Sep 2025
San Jose, CA

- Developed LangChain and LangGraph workflows with Claude Sonnet 3.7 and 4 (Bedrock), reducing manual support load by 35%.
- Added persistent state for multi-agent flows, cutting repeated interactions by 30%.
- Built supervisor–worker orchestration improving automated troubleshooting accuracy by 20%.
- Integrated MCP tools enabling dynamic system lookups and diagnostics.
- Supported Agile sprints, CI/CD pipelines, and Kubernetes deployments with platform and DevOps teams.

Software Engineer
Dentsu
May 2020 – Jul 2022
Hyderabad, India

- Built Flask APIs powering marketing analytics, improving data processing throughput by 30%.
- Developed XGBoost forecasting models increasing prediction accuracy by 15%.
- Created PySpark ETL pipelines for millions of records, reducing feature prep time by 40%.
- Implemented DVC for reproducible ML workflows and experiment tracking.
- Deployed SageMaker endpoints and Dockerized EC2 services with Agile teams using Jira.

PROJECTS

RAG-based PDF Summariser — Live Demo
- Built an RAG summarisation tool using LangChain, FAISS and OpenAI API, reducing review workload by 60%.

Next Word Prediction with BERT — GitHub
- Fine-tuned BERT for next-word prediction, demonstrating strong transformer-based NLP capability.

Machine Transliteration System — GitHub
- Built a seq2seq transliteration model capable of multilingual script conversion.

AI Meeting Preparation Agent — Live Demo
- Developed a multi-agent analysis system generating structured meeting insights and briefs.

EDUCATION

Montclair State University
Master of Science in Computer Science, GPA: 3.65
Montclair, NJ
May 2024

TECHNICAL SKILLS

Languages: Python, C++, SQL, JavaScript
ML & NLP: TensorFlow, PyTorch, Scikit-learn, XGBoost, Transformers, Hugging Face
LLM & Agents: LangChain, LangGraph, OpenAI API, RAG, MCP
Data Engineering: Spark, PySpark, Pandas, NumPy, MongoDB, MySQL
MLOps: MLflow, DVC, Airflow, Jenkins, CI/CD
Cloud & DevOps: AWS Lambda, EC2, S3, SageMaker, CloudWatch, Bedrock, Docker, Kubernetes
Tools: Git, Jira, Agile, FastAPI, Streamlit, VsCode, Cursor