

KONERU GEETHAA SREE

EARLY CAREER ARTIFICIAL INTELLIGENCE ENGINEER

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EDUCATION

B.Tech in Artificial Intelligence and Machine Learning Dec 2021 - May 2025
Usha Rama College of Engineering and Technology (JNTUK) 9.18

SKILLS

Programming and Data: Python, SQL, JAVA, Excel, Pandas, Numpy, Scikit-learn
Software Development: Data Structures and Algorithms, Object Oriented Programming
Machine Learning: Classification, Regression, NLP basics, Model evaluation, PyTorch, TensorFlow, Statistics and Probability
Systems and Deployment: FastAPI, Docker, GCP (BigQuery, Looker), AWS (EC2)

EXPERIENCE

AI Agent Development Intern - SocioSquares (Remote) Jun 2025 - Aug 2025

- Built and tested LLM integrated agent workflows using LangChain and Google ADK for internal automation use cases in software development life cycle.
- Worked on prompt design, validation rules, and evaluation of LLM outputs, reducing inconsistent responses by 30% during testing.
- Analyzed application logs and trace data to identify latency bottlenecks, helping reduce average response time by 20%.

PROJECTS

Federal RAG Agent

LLM Systems, Data Reliability

- Built a document based QA system where responses often failed during batch queries initially.
- Added data validation, retries, and fallback retrieval, which reduced failed runs by 25%.
- Spent time debugging latency issues by checking logs rather than changing models.

Conversational PDF RAG QA

Python, GroqAPI, HuggingFace

- Created a FastAPI service to chat with multiple PDFs.
- Split the system into ingestion, retrieval and generation for easy deployment.
- After pipeline tuning, response time improved by 15%.

Crack Detector Web Application

Python, Numpy, OpenCV

- Led a team of 4 to ensure smooth development and deployment.
- Used Gaussian blur subtraction to enhance fine cracks. Sobel filters to compute gradient magnitude and direction, orientation aware non-max suppression to retain thin crack edges and morphological closing to connect broken crack segments and improve visual continuity.

ACHIEVEMENTS AND CERTIFICATIONS

- Silver Medals for academic excellence in AI and ML
- NPTEL - Introduction to Large Language Models (LLMs)
- NPTEL - Computer Vision and Image Processing
- IBM - Apache Spark for Data Engineering and ML
- Google - GCP Analytics (BigQuery, Looker) Color Your Skills Badge