

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)	<i>Jun 2025 - Aug 2025</i>
<ul style="list-style-type: none">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