

# Leela Krishna Koppolu

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## PROFILE SUMMARY

Machine Learning Research Scientist & Generative AI Engineer with 6+ years of experience across Amazon, Infosys, Palantir, and Scale AI. I specialized in LLM evaluation, generative AI systems, large-scale data modeling, and enterprise AI deployment. Proven track record in building scalable ML pipelines, designing benchmarking frameworks for frontier models, and delivering AI-driven business impact across BFSI, Retail, and Cloud-native environments.

I am expert in LLM Evals, Prompt Engineering, Cloud AI Architecture, Model Benchmarking, and AI Automation.

## TECHNICAL SKILLS

- **Programming** - Python, SQL
- **AI / ML** - LLMs, LLM Evaluation, NLP, Prompt Engineering, RAG, Model Benchmarking, Predictive Modeling
- **Data & Analytics** - ETL, Data Cleaning, Feature Engineering, Statistical Modeling, EDA
- **Cloud & Systems** - Cloud-Native Architectures, REST APIs, Distributed Systems
- **Tools** - Git, Linux, Power BI, Excel

## PROFESSIONAL EXPERIENCE

### Scale AI (Contract)

*Staff Machine Learning Research Scientist – LLM Evals*

Dec 2024 – Present | Remote, USA

- Leading research and development of scalable evaluation methodologies for frontier Large Language Models (LLMs)
  - Designed benchmark frameworks to measure reasoning, hallucination, safety, and robustness across models
  - Built automated LLM evaluation pipelines using Python and distributed compute
  - Partnering with foundation model labs to define next-gen model performance standards
  - Developed metric-driven evaluation dashboards for model comparison and reporting
- Improved evaluation reliability by implementing multi-dimensional scoring systems

**Tech:** Python, LLMs, Evaluation Metrics, Prompt Engineering, NLP, Distributed Systems

### Palantir Technologies (Internship)

*Generative AI Engineer*

Dec 2023 – Dec 2024 | Remote

- Built enterprise-grade Generative AI solutions leveraging LLMs and cloud-native architectures
- Developed RAG (Retrieval Augmented Generation) systems for internal knowledge automation
- Designed API-based AI services for enterprise integration
- Implemented fine-tuning workflows and prompt optimization strategies
- Deployed AI systems in scalable cloud environments

**Tech:** Python, LangChain, LLM APIs, Vector DBs, REST APIs, Cloud Architecture

## **Infosys (Full-Time)**

### Lead Data Scientist (AI | ML)

Dec 2020 – Dec 2022 | Bengaluru, India (Hybrid)

- Led AI/ML initiatives delivering predictive analytics solutions for BFSI & Retail clients
- Built end-to-end ML pipelines from data ingestion to deployment
- Designed intelligent automation systems improving operational efficiency
- Managed cross-functional AI teams and mentored junior engineers
- Developed classification, forecasting, and recommendation models

**Tech:** Python, SQL, Power BI, Excel, Linux, Git, ETL, Automation, REST APIs

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## **Amazon (Full-Time)**

### Data Scientist I

Jan 2019 – Dec 2020 | Remote, India

- Performed EDA on 10M+ customer datasets for analytics & BI insights
- Built statistical models to optimize business performance
- Designed dashboards for performance tracking and trend analysis
- Automated data pipelines and reporting workflows
- Improved customer segmentation using ML-based clustering models

**Tech:** SQL, Python, Data Modeling, Analytics, Business Intelligence

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## **EDUCATION**

### **University of Texas at Arlington**

*Master's, computer science*

**Jan 2023 - Dec 2024**