Sanjayan Pradeep Kumar Sreekala

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Applied AI Researcher — Kaggle Competitions Expert — LLM Research

Skills: Python, LLMs, ML

Education

University of California San Diego Sept 2022 - June 2024
Master of Science, Computer Science & Engineering, specialization plan: AI/ML *San Diego, California*
Relevant Courses: Probabilistic Reasoning, Reinforcement Learning, Deep Generative Models, Recommender Systems

National Institute of Technology Karnataka May 2015 - May 2019
Bachelor of Technology, Electrical & Electronics Engineering *Karnataka, India*

Experience

Applied Researcher 1 (SE3) @ Knowledge Extraction Apr 2024 – Present
eBay *San Jose, California*

- Driving multimodal structured data extraction using small multimodal generative models at 100M+ monthly scale, replacing NER dictionary based information extraction
- Built synthetic datasets with Multimodal open source Large Language Models to evaluate services and train small models
- Automated Prompt Engineering Flows with Agents/Workflows increasing iteration velocity

AI Applied Research Intern Jun 2023 – Sep 2023
eBay *San Jose, California*

- Finetuned BERT Models with PyTorch and Huggingface for data extraction from unstructured text, enhancing search coverage.
- Explored generative models and LLMs for advanced information extraction and open-source/commercial LLMs for efficient synthetic dataset creation.

ASIC Digital Design Engineer Jul 2019 – Jul 2022
Texas Instruments *Bangalore, India*

- ASIC design, Physical Design, and timing closure for Power Management ICs (PG-ed 4 designs).

Publications

- C. Pradeep and S. P. Kumar Sreekala, "Evaluator-Guided LLM Distillation for Embodied Agent Decision-Making," in *NeurIPS 2025 Workshop on Foundation Models Meet Embodied Agents (FMEA)*, 2025.
- J. Shriram and S. P. Kumar Sreekala, "ZINify: Transforming Research Papers into Engaging Zines with Large Language Models," in *Adjunct Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology (UIST '23 Adjunct)*, 2023.
- S. K. G. Manikonda, J. Santhosh, S. P. Kumar Sreekala, S. Gangwani, and D. N. Gaonkar, "Power Quality Event Classification Using Long Short-Term Memory Networks," in *Proceedings of the 2019 IEEE DISCOVER*, 2019.

Relevant Awards and Recognitions

1st Place | *NeurIPS 2025 EAI Challenge* Dec 2025

- Winner of the Embodied Agent Interface Challenge (Team: Axis Tilted2) at the FMEA Workshop.

1st Place | *eBay 2022 University ML Challenge* Jan 2023

- 1st out of 591 teams

Best Paper Award | *IEEE International DISCOVER conference 2019* Aug 2019

- Power Quality Event Classification Using Long Short-Term Memory Networks

Kaggle Competitions Expert | *Silver (Mercari) & Bronze (Toxic Comment) Medals* 2018

- Silver Medal: Top 5% (98th/2380 teams) | Bronze Medal: Top 7% (312th/4539 teams)