

Sri Akash Kadali

8417 48th Ave, College Park, MD, 20740

Availability: June 1st, 2026

240-726-9356 | kadali18@umd.edu | <https://www.linkedin.com/in/sri-akash-kadali/> | <https://github.com/Akash-Kadali>

EDUCATION

University of Maryland, College Park, United States

CGPA: 3.55/4

Master of Science in Applied Machine Learning

August 2024 - May 2026

- **Relevant Coursework:** Machine Learning, Reinforcement Learning, Data Pipelines

Indian Institute of Information Technology, Vadodara, India

CGPA: 8.78/10

Bachelor of Technology in Computer Science and Engineering

December 2020- June 2024

- **Relevant Coursework:** Docker, Data Analytics, Software Engineering

SKILLS

Programming Languages: Python, SQL, JavaScript

Machine Learning Tools: LLMs, Machine Learning, Pandas, NumPy, scikit-learn, PyTorch, TensorFlow

Data Engineering & Devops: Data Pipelines, Docker, AWS, GCP, CI/CD

Technical Skills & Tools: FastAPI, Transformer Models, Reinforcement Learning, GitHub, Data Workflows, APIs, CLI, Analytics, Problem Solving, Debugging Workflows, Algorithms, Data Structures, OpenAI API, Git, Linux, English (professional)

EXPERIENCE

Machine Learning Intern

May 2023 – December 2023

Indian Institute of Technology, Indore

Indore, India

- Developed emotion synthesis pipelines incorporating sentiment features using the NRC Lexicon, contributing to a 6% boost in model precision for ML projects.
- Leveraged supervised contrastive learning to enhance feature representation, resulting in an 8% increase in classification accuracy on the IHSate and IHC datasets for data workflows.
- Designed and implemented a DeBERTa-based architecture augmented with emotion embeddings and word-level attention mechanisms using Bi-LSTM for implicit hate speech detection, achieving a 5% improvement in F1-score.

Machine Learning Intern

January 2024 – June 2024

National Institute of Technology, Jaipur

Jaipur, India

- Engineered classification pipelines for breast tumor analysis, achieving a 15% reduction in misclassification rates and an F1-score of 0.91, supporting accurate clinical decision-making.
- Implemented data collection and preprocessing workflows for ML projects, enhancing analytics capabilities and ensuring reproducibility of experimental results.
- Designed and deployed models for histopathological image classification, achieving a 92% classification accuracy on large-scale medical datasets, contributing to advanced agent systems.

Machine Learning Intern

July 2024 – December 2024

Indian Institute of Technology, Indore

Remote, USA

- Engineered classification pipelines for breast tumor analysis, achieving a 15% reduction in misclassification rates and an F1-score of 0.91, supporting accurate clinical decision-making.
- Implemented data collection and preprocessing workflows for ML projects, enhancing analytics capabilities and ensuring high-quality input for model training.
- Collaborated with researchers to adapt to evolving project requirements, contributing to RL and LLM research experiments and prototypes in a fast-paced environment.

Machine Learning Engineer

May 2025 – August 2025

Ayar Labs

Santa Clara, CA

- Containerized pipeline with Docker, standardizing the inference template for YOLO and CRNN models, ensuring consistent logging and efficient deployment.
- Engineered serverless GPU deployment with FastAPI endpoints for YOLO and CRNN classifiers, optimizing cold-start and concurrency for ML workflows.
- Contributed to data collection and preprocessing for ML projects, achieving 99% accuracy on critical regions through advanced augmentation and class weighting techniques.

ACHIEVEMENTS AND LEADERSHIP

Published "CaDT-Net: Cascaded Deformable Transformer for Breast Cancer" at ICONIP 2024, achieving 92% accuracy in image classification using **Neural Networks**.

Awarded **Gold Medal for Academic Excellence** as the top B.Tech graduate.

Represented IIIT Vadodara at the **G20 Summit, India**, managing logistics for 50+ delegates.

Solved 100+ LeetCode problems, focusing on Graphs, DP, and System Design.