

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

- Created emotion-synthesis pipelines that incorporated sentiment features using the NRC Lexicon, resulting in a 6% increase in model precision for ML projects.
- I used supervised contrastive learning to improve the feature representation which resulted in a 8% increase in classification accuracy in the IHSate and IHC datasets for data workflows.
- Created and implemented a DeBERTa-based architecture augmented with emotion embeddings and word-level attention mechanisms using Bi-LSTM for the purpose of implicit hate speech detection. An increase of 5% in F1-score was achieved.

Machine Learning Intern

January 2024 – June 2024

National Institute of Technology, Jaipur

Jaipur, India

- Developed classification pipelines for breast tumor analysis leading to 15% reduction in misclassification and an F1-score of 0.91, providing support for accurate clinical decision-making.
- Developed data generation and preprocessing methods for the machine learning projects to increase the technical capabilities of analytics and to ensure that results of experiments are reproducible.
- Developed and implemented models for histopathological image classification giving 92% classification accuracy on large scale medical datasets for high technology agent systems.

Machine Learning Intern

July 2024 – December 2024

Indian Institute of Technology, Indore

Remote, USA

- Engineered classification pipelines for breast tumor, achieving 15% lower mis-classification rates, F1-score 0.91, aiding in clinical treatments and answers.
- Developed data collection and preprocessing workflows for machine learning projects to improve analytical capabilities and ensure better quality in model input data.
- I worked with researchers to adapt to evolving project needs, producing RL and LLM research experiments and prototypes in a fast-paced environment.

Machine Learning Engineer

May 2025 – August 2025

Ayar Labs

Santa Clara, CA

- A containerized pipeline with Docker, generalizing the inference template to YOLO and CRNN models, in pixel logging and effective deployment.
- Designed a serverless GPU deployment with FastAPI endpoints for YOLO and CRNN classifiers, providing cold-start and concurrency optimization from an ML workflow perspective.
- Played a key role in data gathering and preprocessing for ML projects leading to 99% accuracy in key areas 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.