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, Artificial Intelligence, Data Structures

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:** Algorithms, Software Engineering, Python Programming

Skills

Programming Languages: Python, JavaScript, C#, C++, SQL
Machine Learning Techniques: Machine Learning
Data Engineering & Devops: Algorithms, Data Structures, Debugging Workflows, AI, AI chatbots
Additional Skills & Tools: Model Evaluation, Problem Solving, HTML, LeetCode, HackerRank, Fluency in English

Experience

Machine Learning Intern May 2023 – December 2023
Indian Institute of Technology, Indore *Indore, India*
- Used supervised contrastive learning to evaluate outputs from an AI chatbot, which yielded improvements in the classification accuracy by 8% on benchmark datasets.
- Developed and deployed an architecture based on DeBERTa for the detection of implicit hate speech, achieving a 5% increase in F1-score over baseline models.
- Implemented extensive data augmentation techniques to ensure model quality, which led to a 12 per cent decrease in data sparsity and improved performance of the model.

Machine Learning Intern January 2024 – June 2024
National Institute of Technology, Jaipur *Jaipur, India*
- Created Cascaded Deformable Transformer Layers (CDTL) to validate the performance of AI models, improving workflows in medical imaging by 20%.
- Employed Cascaded Deformable Self-Attention (CDSA) for better feature extraction while improving model performance by 18% across 10,000+ annotated images.
- Created classification pipelines for breast tumor analysis that resulted in 15% fewer misclassifications, supporting decision-making in the clinic and fostering assessment of model performance.

Machine Learning Intern July 2024 – December 2024
Indian Institute of Technology, Indore *Remote, USA*
- Developed the Cascaded Deformable Transformer Layer (CDTL) to assess the performance of AI models, resulting in optimal workflows in medical imaging of 20%.
- Applied Cascaded Deformable Self-Attention (CDSA) for improved feature extraction improved the quality of trained models on more than 10,000 annotated images by 18%.
- Created classification pipelines for breast tumors that accomplished a 15% decrease in misclassification keeping proper clinical decisions and model evaluation.

Machine Learning Engineer May 2025 – August 2025
Ayar Labs *Santa Clara, CA*
- Assessed the correctness and performance of AI chatbot outputs for a 99% accuracy score on key evaluations of the 3,500 test images.
- Developed and implemented a multi-stage pipeline using YOLOv8 and Transformer ensembles for improved model quality and accuracy of defect classification.
- Automated assessment pipelines for AI models featuring two OCR pathways yielding significant enhancements to the precision and recall for minority classes.

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.