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, Natural Language Processing, Statistical Learning

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:** Software Engineering, Data Management, DevOps

Skills

Software Development: Python, C#, C++, Java, JavaScript
Artificial Intelligence: LLMs, NLP, Machine Learning
Cloud Engineering: Azure ML, DevOps, CI/CD, Azure Resource Graph
Technical Proficiencies: Visual Studio, AKS, Web Scraping, Problem Solving, Debugging Workflows, Algorithms, Data Structures, AI tools, Technical Leadership, Statistical Learning, English (professional)

Experience

Machine Learning Intern May 2023 – December 2023
Indian Institute of Technology, Indore *Indore, India*
- Designed and implemented a DeBERTa-based architecture using Bi-LSTM for implicit hate speech detection, achieving a 5% improvement in F1-score through innovative AI software development.
- Leveraged supervised contrastive learning to enhance feature representation, resulting in an 8% increase in classification accuracy, aligning with traditional ML and statistical learning approaches.
- Developed emotion synthesis pipelines incorporating sentiment features, contributing to a 6% boost in model precision, demonstrating expertise in machine learning solutions.

Machine Learning Intern January 2024 – June 2024
National Institute of Technology, Jaipur *Jaipur, India*
- Engineered classification pipelines using Python, achieving a 15% reduction in misclassification rates and an F1-score of 0.91 for breast tumor analysis.
- Implemented Cascaded Deformable Self-Attention (CDSA) to enhance feature extraction by 18%, optimizing AI workflows in medical imaging.
- Reduced model convergence time by 25% through integration of skip connections, improving efficiency for real-time applications in AI software development.

Machine Learning Intern July 2024 – December 2024
Indian Institute of Technology, Indore *Remote, USA*
- Engineered classification pipelines using Python, achieving a 15% reduction in misclassification rates and an F1-score of 0.91 for breast tumor analysis.
- Implemented Cascaded Deformable Self-Attention (CDSA) to enhance feature extraction by 18%, optimizing AI workflows in medical imaging.
- Reduced model convergence time by 25% through integration of skip connections, improving efficiency for real-time applications in AI software development.

Machine Learning Engineer May 2025 – August 2025
Ayar Labs *Santa Clara, CA*
- Developed software for conversational AI experiences using YOLO and CRNN models, achieving 99% overall accuracy and 96% recall on minority classes in production environments.
- Engineered training and inference environments using Azure ML, optimizing deployment with serverless GPU architecture and FastAPI endpoints for model serving.
- Led the creation and implementation of innovative AI software, utilizing statistical learning approaches and advanced data management techniques to enhance model performance and reliability.

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.