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, Data Structures, Data Manipulation

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:** Business Analytics, AI Applications, Digital Transformation

Skills

Programming Languages: Python, SQL
Machine Learning Frameworks: LLMs, Pandas, NumPy, scikit-learn, PyTorch, TensorFlow
Cloud & Devops Tools: AWS, GCP, CI/CD
Data Visualization & Tools: FastAPI, Power BI, Data manipulation, Salesforce, Digital transformation, Low-code development, AI applications, KPI dashboards, AI tools, AI-driven solutions, Problem Solving, Debugging Workflows, Data Structures, Communication skills, Business-facing AI applications, OpenAI API, Git, Linux

Experience

Machine Learning Intern May 2023 – December 2023
Indian Institute of Technology, Indore *Indore, India*
- Utilized supervised contrastive learning to refine the feature representation, increasing classification performance on business-facing AI applications by 8%.
- Conceived and executed an architecture based on DeBERTa for implicit hate speech detection, yielding a 5% improvement in F1-score, synchronizing with AI-driven solutions.
- Created emotion synthesis pipelines utilizing sentiment features leading to a 6% increase in model accuracy, aiding in scalable AI solutions.

Machine Learning Intern January 2024 – June 2024
National Institute of Technology, Jaipur *Jaipur, India*
- "Engineered AI-driven solutions for medical imaging, achieving a 15% reduction in misclassification rates and an F1-score of 0.91, delivering measurable business value"
- Developed and implemented classification pipelines leveraging advanced models, optimizing workflows and improving feature extraction for scalable use cases in healthcare.
- By applying data manipulation techniques improved model performance, reducing convergence time by 25% for improved real-time Artificial Intelligence applications.

Machine Learning Intern July 2024 – December 2024
Indian Institute of Technology, Indore *Remote, USA*
- Developed AI-based solutions for medical imaging, resulting in a 15% decrease in misclassification rates and an F1-score of 0.91, providing measurable business value.
- Developed and implemented advanced models for classification workflows, creating engagement and optimizing workflows for clinical decisions.
- Utilized feature extraction techniques to optimize model performance and meet the overall technology architecture while driving digital transformation initiatives.

Machine Learning Engineer May 2025 – August 2025
Ayar Labs *Santa Clara, CA*
- Utilized YOLOv8 and Transformer ensemble modeling to design and prototype an AI-based solution for defect classification, to increase operational efficiency and accuracy in visual inspection processes.
- Created and operated KPI dashboards to monitor the performance of AI use cases, achieving 99% accuracy and 96% recall again the most important defect classifications out of 3,500 total photos.
- Worked collaboratively with cross-functional groups to support engagement with artificial intelligence tools, leading weekly stakeholder demos to effectively translate business needs into actionable AI solutions and best practices.

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.