Sri Akash Kadali

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Availability: June 1st, 2026
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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*
- Evaluated AI chatbot outputs using supervised contrastive learning, resulting in an 8% increase in classification accuracy on benchmark datasets.
- Designed and implemented a DeBERTa-based architecture for implicit hate speech detection, achieving a 5% improvement in F1-score over baseline models.
- Applied extensive data augmentation techniques to enhance model quality, leading to a 12% reduction in data sparsity and improved performance.

Machine Learning Intern January 2024 – June 2024
National Institute of Technology, Jaipur *Jaipur, India*
- Engineered Cascaded Deformable Transformer Layers (CDTL) to evaluate AI model performance, optimizing workflows in medical imaging by 20%.
- Implemented Cascaded Deformable Self-Attention (CDSA) to enhance feature extraction, improving model quality across 10,000+ annotated images by 18%.
- Developed classification pipelines for breast tumor analysis, achieving a 15% reduction in misclassification rates, supporting accurate clinical decision-making and enhancing model evaluation.

Machine Learning Intern July 2024 – December 2024
Indian Institute of Technology, Indore *Remote, USA*
- Engineered Cascaded Deformable Transformer Layers (CDTL) to evaluate AI model performance, optimizing workflows in medical imaging by 20%.
- Implemented Cascaded Deformable Self-Attention (CDSA) to enhance feature extraction, improving model quality across 10,000+ annotated images by 18%.
- Developed classification pipelines for breast tumor analysis, achieving a 15% reduction in misclassification rates, supporting accurate clinical decision-making and model evaluation.

Machine Learning Engineer May 2025 – August 2025
Ayar Labs *Santa Clara, CA*
- Evaluated AI chatbot outputs for correctness and performance, achieving a 99% accuracy rate on critical evaluations across 3,500 test images.
- Designed and implemented a multi-stage pipeline using YOLOv8 and Transformer ensembles to enhance model quality and defect classification accuracy.
- Automated evaluation workflows for AI models, integrating dual OCR pathways and achieving significant improvements in 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.