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, Neural Networks, Algorithms

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:** Statistics, Pattern Recognition, Computer Science

Skills

Programming: Python, JavaScript
Machine Learning: AI, ML, Algorithms, Neural Networks, Pattern Recognition, Computer Science, Hybrid AI Models
Data Engineering & Devops: Bio-Inspired Systems, Problem Solving, Analytical Skills
Additional Skills: Communication Skills, Collaborative Work, Continuous Learning Systems, Statistics

Experience

Machine Learning Intern May 2023 – December 2023
Indian Institute of Technology, Indore *Indore, India*
- Developed and refined algorithms for implicit hate speech detection using a DeBERTa-based architecture, achieving a 5% improvement in F1-score over baseline models.
- Leveraged supervised contrastive learning to enhance feature representation, resulting in an 8% increase in classification accuracy on datasets, aligning with continuous learning systems.
- Collaborated on emotion synthesis pipelines incorporating sentiment features, contributing to a 6% boost in model precision and supporting the development of hybrid AI frameworks.

Machine Learning Intern January 2024 – June 2024
National Institute of Technology, Jaipur *Jaipur, India*
- Engineered Cascaded Deformable Transformer Layers (CDTL) to improve feature dependency modeling by 20%, enhancing algorithms for continuous learning systems.
- Developed classification pipelines for breast tumor analysis, achieving a 15% reduction in misclassification rates, supporting accurate clinical decision-making in AI models.
- Designed and deployed MaxViT-based models for histopathological image classification, achieving a 92% classification accuracy, contributing to the refinement of neural networks.

Machine Learning Intern July 2024 – December 2024
Indian Institute of Technology, Indore *Remote, USA*
- Engineered Cascaded Deformable Transformer Layers (CDTL) to improve feature dependency modeling by 20%, enhancing algorithms for continuous learning systems.
- Developed classification pipelines for breast tumor analysis, achieving a 15% reduction in misclassification rates, supporting accurate clinical decision-making in AI models.
- Designed and deployed MaxViT-based models for histopathological image classification, achieving a 92% classification accuracy, contributing to the refinement of neural networks.

Machine Learning Engineer May 2025 – August 2025
Ayar Labs *Santa Clara, CA*
- Developed and refined algorithms for a visual inspection platform, achieving 99% overall accuracy and 96% recall on minority classes through advanced neural network techniques.
- Collaborated on continuous learning systems by implementing image-specific augmentations and targeted rebalancing strategies, improving precision and recall for minority classes in defect detection.
- Conducted research on AI principles, standardizing training across models with techniques like label smoothing and early stopping to enhance model robustness and performance.

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.