# 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, 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*
- Developed and built a DeBERTa-based architecture using Bi-LSTM to achieve implicit hate speech detection by making appropriate modifications in AI software development improves F1-score by 5 % .
- Used supervised contrastive learning for better feature representation, achieving an 8% increase in classification accuracy, consistent with classical ML and statistical learning techniques.
- Designed emotion synthesis pipelines integrating sentiment properties, resulting in a 6% increase in model precision and deep involvement with machine learning solutions.

**Machine Learning Intern** January 2024 – June 2024
*National Institute of Technology, Jaipur* *Jaipur, India*
- Built classification pipelines with Python in order to reduce misclassification rates by 15% and achieve an F1-score of 0.91 in the breast tumor analysis.
- Utilized Cascaded Deformable Self-Attention (CDSA) for increased feature extraction by 18% thus improving artificial intelligence workflows in medical imaging.
- Decreased the model convergence time by 25% through the use of skip connections increasing efficient capabilities for real time applications in artificial intelligence in software development.

**Machine Learning Intern** July 2024 – December 2024
*Indian Institute of Technology, Indore* *Remote, USA*
- Developed classification pipelines in Python resulting in a 15% reduction in misclassification rates and an F1-score of 0.91 in the analysis of breast tumors.
- Deployed Cascaded Deformable Self-Attention (CDSA) to improve feature extraction by 18%. It facilitates optimised AI workflows in medical imaging.
- Reduced the model convergence time by 25% in real-time AI software development applications by employing skip connections to increase efficiency.

**Machine Learning Engineer** May 2025 – August 2025
*Ayar Labs* *Santa Clara, CA*
- Created software for conversational AI experiences leveraging YOLO and CRNN models to achieve 99% overall accuracy, achieving 96% recall on minority classes in production environments.
- Developed training and inference environments on Azure ML, and optimized deployment using serverless GPU architecture provided by Azure and FastAPI endpoints for model serving.
- Directed the construction and administration of remarkable AI products, using statistical learning techniques and advanced methods to increase model reliability and development.

## 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.