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, 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*
- Leveraged supervised contrastive learning to enhance feature representation, resulting in an 8% increase in classification accuracy on business-facing AI applications.
- Designed and implemented a DeBERTa-based architecture for implicit hate speech detection, achieving a 5% improvement in F1-score, aligning with AI-driven solutions.
- Developed emotion synthesis pipelines incorporating sentiment features, contributing to a 6% boost in model precision, supporting 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.
- Designed and deployed classification pipelines using advanced models, optimizing workflows and enhancing feature extraction for scalable applications in healthcare.
- Implemented data manipulation techniques to improve model performance, reducing convergence time by 25% and supporting efficient real-time AI applications.

Machine Learning Intern July 2024 – December 2024
Indian Institute of Technology, Indore *Remote, USA*
- 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.
- Designed and deployed classification pipelines using advanced models, driving engagement and optimizing workflows for clinical decision-making.
- Implemented feature extraction techniques to enhance model performance, aligning with overall tech architecture and supporting digital transformation initiatives.

Machine Learning Engineer May 2025 – August 2025
Ayar Labs *Santa Clara, CA*
- Designed and prototyped AI-driven solutions using YOLOv8 and Transformer ensembles for defect classification, enhancing operational efficiency and accuracy in visual inspection processes.
- Built and maintained KPI dashboards to track AI use case performance, achieving 99% accuracy and 96% recall on critical defect classifications across 3,500 images.
- Collaborated with cross-functional teams to drive engagement with AI tools, leading weekly stakeholder demos to 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.