SHARANDEEP REDDY ADLA

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PROFESSIONAL SUMMARY

I am an AI/ML Engineer and Data Scientist passionate about solving real-world problems using machine learning and artificial intelligence. I have published research on Explainable AI, mentored teams at prestigious hackathons, and led projects.

EDUCATION

Master of Professional Studies in Data Science | GPA: 3.70/4.0 | University at Buffalo, SUNY | Aug 2024 - Dec 2025

Bachelor of Technology in Electronics and Computer Engineering | CGPA: 8.3/10.0 | Sreenidhi Institute of Science and Technology | Aug 2020 - May 2024

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS, React.js
ML/AI: TensorFlow, PyTorch, Scikit-Learn, NLP, CNN, LLM, Deep Learning and Agentic AI
Data Science: Pandas, NumPy, SciPy, Matplotlib, Seaborn, EDA, Feature Engineering
Cloud/DevOps: AWS (SageMaker, EC2, S3).
Tools: N8N,Git, Streamlit, Netlify.
Databases: MySQL, DBMS.

EXPERIENCE

Hackathon Mentor | MIT Global AI Hackathon | Nov 2025

- Mentored teams on Agentic AI architectures; debugged and optimized solutions for 24-hour sprint delivery.

Data Scientist Intern | Afame Technologies | Jan - Mar 2024

- Built ML models (TensorFlow, Scikit-Learn) achieving 20% accuracy improvement; processed 500K+ records with 30% faster optimization.

AI Engineer Intern | Amazon Web Services | Dec 2022 - Feb 2023

- Deployed scalable ML solutions on AWS (25% cost optimization); fine-tuned NLP models using Transformers and OpenAI API.

AI/ML Intern | Cognizant (Forage) | Sep 2022

- Built end-to-end ML pipelines: EDA, feature engineering, model selection, hyperparameter tuning with QA frameworks.

PROJECTS

Heart Disease Prediction (Explainable AI) | Published ICOTET 2024

- ECG-based prediction system (94% accuracy) using ensemble ML with SHAP/LIME explainability framework.

Computer Vision (CNN) | Digit & Facial Recognition

- CNN achieving 98% accuracy on MNIST (12% better than baseline); data augmentation for real-world deployment.

Database System | Swimmer Club Management (University at Buffalo)

- Normalized 3NF database managing 500+ members; SQL query optimization reducing execution by 40%.

CERTIFICATIONS

AWS ML Foundations (2022) | AWS Cloud Foundations (2022) | Full Stack Web Dev (2022) | IBM ML Python Level 1