

Aravind Reddy

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Summary

Machine Learning Engineer with expertise in deep learning, natural language processing, and computer vision. Passionate about building AI-powered solutions that solve real-world problems. Seeking a challenging role to apply and expand my ML skills.

Skills

- **Programming Languages:** Python, R, SQL, Julia (basic)
- **ML/DL Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn
- **Data Processing:** Pandas, NumPy, PySpark, Dask
- **NLP:** NLTK, spaCy, Hugging Face Transformers, Word Embeddings
- **Computer Vision:** OpenCV, PIL, Image Processing
- **MLOps:** Docker, Git, MLflow, DVC
- **Cloud:** AWS SageMaker, Google Cloud AI, Azure ML

Education

Master of Science in Artificial Intelligence

AI Technology University, Hyderabad

Graduated: May 2023

GPA: 3.9/4.0

Bachelor of Technology in Computer Science

Engineering College, Chennai

Graduated: June 2021

GPA: 3.7/4.0

Projects

Fake News Detection System | [Link to GitHub](#)

- Developed an NLP model to identify misinformation in news articles
- Implemented BERT and RoBERTa models with 92% accuracy
- Created a Flask API for real-time classification
- Deployed the solution on AWS using Docker containers

Medical Image Classification | [Link to GitHub](#)

- Built a CNN model for classifying lung X-rays into different disease categories
- Implemented data augmentation to handle limited training data
- Achieved 89% accuracy on test dataset
- Used Grad-CAM for model interpretability

Customer Churn Prediction | [Link to GitHub](#)

- Developed a machine learning pipeline to predict customer churn
- Implemented feature engineering and selection techniques
- Compared performance of various algorithms (Random Forest, XGBoost, Neural Networks)
- Created an interactive dashboard for business users

Experience

Machine Learning Engineer | AI Solutions Inc.

July 2023 - Present

- Develop and deploy NLP models for sentiment analysis and text classification
- Optimize model performance and inference time for production environments
- Collaborate with data engineers and product managers on AI features
- Implement MLOps practices for continuous integration and deployment

Data Science Intern | Tech Innovations Ltd.

January 2023 - June 2023

- Assisted in building recommendation systems using collaborative filtering
- Performed data cleaning and feature engineering for predictive models
- Created data visualizations to communicate insights to team members
- Participated in weekly model review meetings with senior data scientists

Certifications

- TensorFlow Developer Certificate, Google (2023)
- Deep Learning Specialization, Coursera (2022)
- Machine Learning Engineering for Production (MLOps), Coursera (2023)