Dhivya Sri Lingala

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EDUCATION

University of Florida **Florida, USA**
Masters in Artificial Intelligence Systems *May,2026*

CGPA: 3.55/4
Courses: Machine Learning, Artificial Intelligence, Computer Vision

KL University,Vijayawada **Andhra Pradesh, India**
Bachelor of Technology in Artificial Intelligence and Data Science *May,2024*

CGPA: 9.37/10.00
Courses: Natural Language Processing, Deep Learning, Data Visualization

WORK EXPERIENCE

Software Developer Intern - Areksoft Technologies Private Limited *July 2023 - November 2023*
- Innovated a custom API utilizing Google Apps Script and MERN to facilitate seamless integration of office applications, enhancing workflow efficiency and enabling real-time data synchronization for over 50 team members.
- Aligned Frontend and Machine Learning Models.

Intern - Microsoft Engage,2022 *March 2022 - May 2022*
- Created a data analytics app using Python, SQL, and machine learning (K-Means, Random Forest) to analyze automotive datasets, segment customers, and identify popular configurations and launch timelines with 82% accuracy.
- Engineered and implemented interactive dashboards that provided real-time analytics for market strategy tool is now utilized by over 10 departments, streamlining reporting processes and improving overall efficiency by 30%

SKILLS

Programming Languages: C/C++, Python, R, Java, Javascript, HTML/CSS,SQL, Bootstrap, Matlab
Frameworks: Flask, MERN Stack, Django, Streamlit, Grafana(For Data Visualization)

PROJECTS

EmoWise *Collaborative Filtering, Neural Networks*
- Orchestrated the deployment of a machine learning model for emotional intelligence, processing 5,000 daily inputs and offering context-based recommendations.
- Initiated and streamlined an automated preprocessing pipeline with Python, TensorFlow, and OpenCV, enhancing model robustness and boosting training efficiency by 70%.

Network Anomaly Detection Using Machine Learning *Neural Networks, Regression*
- Developed and deployed a machine learning model for network anomaly detection, actively identifying and mitigating abnormal patterns to enhance network security.
- This is used to illustrate the applicability of various machine learning algorithms for network anomaly detection with 82% accuracy.

Old Image Restoration Using Deep Learning *Autoencoders, Neural Networks,Image Processing*
- Generated a deep learning-based pipeline, for restoring old images using Convolutional Neural Networks (CNNs) and Generative Adversarial Networks (GANs), improving restoration quality by 80%.
- Optimized the restoration process with Python, TensorFlow, and OpenCV for noise reduction and feature restoration.

Text to Image Conversion *MERN Stack, Machine Learning Algorithms*
- Architected and Devised an AI art generator application, where user-input text prompts are transformed into visually stunning works of art.
- Optimized model accuracy from 69% to 78% by fine-tuning the underlying AI model, optimizing data preprocessing, and enhancing the backend with Node and Mongo DB and TensorFlow for real-time text-to-image generation.