ANIRUDH KUMAR TALLURI

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EDUCATION

Master of Technology, **Data Science**   2024-2026
Indian Institute Of Information Technology, Jabalpur
CPI: 9.0.

Bachelor of Technology, **Artificial Intelligence And Data Science**   2020 - 2024
Gudlavalleru Engineering College, Gudlavalleru
CPI: 8.63.

SKILLS

Programming Languages	Python, C++, SQL
Libraries And Frameworks	SKLearn, PyTorch, Pandas, Numpy, Transformers
Relevant Course Work	Deep Learning, Machine Learning, Data Structures And Algorithms, Basics of Operating Systems, Computer Networks
Version Control	GIT
Soft Skills	Adaptability, Team Work, Communication Skills

INTERNSHIP

Machine Learning Intern (certificate)   Jan 2023 - May 2023
SmartInternz

- Developed a phishing detection model using bagging and boosting machine learning algorithms.
- Preprocessed data and engineered features to improve model accuracy.
- Evaluated and optimized model performance, achieving accuracy of 96.8%.

PROJECTS

Thesis: Lightweight Real-Time Video Upscaling & Frame Generation (Ongoing) : Ongoing research focused on designing efficient neural architectures for real-time video enhancement. Exploring hybrid CNN-transformer models to upscale low-resolution videos (360p→720p) while generating intermediate frames for smoother playback. Investigating optimization techniques to reduce computational complexity without compromising quality. Additionally, evaluating the performance of different loss functions and temporal consistency constraints to enhance visual coherence in generated frames.

Sequence-to-Sequence Translation Model (Try it here) : Developed an encoder-decoder neural network for sequence translation tasks (English to Telugu). Implemented with LSTM layers to handle variable-length sequences, incorporating attention mechanisms to improve context retention for long inputs and also giving the option to user for fine tuning our model by uploading his own translations (Deployed in Google cloud)

Human Emotion Recognition from Audio In this project, I used deep learning, specifically LSTM neural networks, to develop an emotion recognition system from audio data. I integrated it into a user-friendly web application created with Python and Flask, ensuring accessibility for diverse users..

CIRTIFICATIONS

- Python Programming essentials- Cisco
- Microsoft Azure AI Developer
- Privacy And security in online social media -IIT Hyderabad NPTEL
- Ethical Hacking bootcamp- Udemy