

Aniketh Reddy Adireddy

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EDUCATION

Bachelor of Artificial Intelligence and Machine Learning

Vardhaman College of Engineering, Hyderabad, India

2021-Exp.2025

CGPA: 9.17/10

TECHNICAL SKILLS

Languages: Python, Java, C

Frameworks: Machine Learning, Deep Learning, Django

Platforms: Jupyter Notebook, Colab, VS Code

Database: SQL

Core Competencies: Competitive Programming, Data Structures and Algorithms

INTERNSHIP

Data Analyst| [Link](#)

Feb 2024 – Mar 2024

DRDL- Defence Research and Development Laboratory

Hyderabad, India

- Developed web application using MATLAB Web App Server, integrated seamlessly with Kibana Dashboard, **Enhanced dataset accessibility and user engagement.**
- The web app provides user with data plotting capabilities and visualizing the relation between features through advanced data visualization resulting in **70% increase in data exploration and user satisfaction.**

PROJECTS

LearnQuest- VideoLearn| [Link](#)

Jul 2024 – Present

- LearnQuest is designed to transform **user queries into comprehensive video explanations**, providing an engaging and informative learning experience
- The platform leverages **advanced natural language processing models** to understand and interpret user queries, ensuring precise and relevant content delivery.
- Technologies Employed: Deep Learning(OpenCV), GTTS, BeautifulSoup

Authenticate- The DeepFake Sentry| [Link](#)

Apr 2024 – Present

- Designed a **multi-layer deepfake detection framework** and achieved robust performance by employing Convolutional Neural Networks (CNNs) and Long Short-Term Memory (LSTM) models for **analysis of visual and audio cues.**
- Technologies utilized: Deep Learning(CNN, LSTM), and signal processing for feature extraction and analysis.

An Ensemble Approach for Network and Server Intrusion| [Link](#)

Jan 2024 – Mar 2024

- Engineered a novel **IDS architecture** designed to proactively **detect and mitigate cyber threats**, employing a combination of Convolutional Neural Networks (CNN) for feature extraction and Gated Recurrent Units (GRU) for sequence analysis with high accuracy.
- Published research paper** detailing the system's effectiveness and technical innovations—[LINK](#)
- Technologies utilized: Deep learning(CNN, GRU), and cybersecurity principles.

ACHIEVEMENTS

- Recognized as **Smart Coder** with a global rank of **2104 over 35827** students in the Smart Coder program by Smart Interviews.
- Awarded as **Top Performer** of the Department for the academic year 2021-22
- Secured **Top 5 position** among 62 teams all over India in prestigious IEEE Hackathon- "Hack-The-Metaverse" held at IIT Bengaluru
- Publication of **2 research paper** in IEEE conferences in field of **Machine Learning and Cybersecurity**

CERTIFICATIONS

Machine Learning Specialization| [Link](#) - DeepLearning AI

Issued April 2024

Artificial Intelligence| [Link](#) - Rinex Technologies

Issued Aug 2022

Advanced Python| [Link](#) - SIIT (Sree Institute of InfoTech)

Issued May 2022