RUTHWIK REDDY DOODIPALA

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EDUCATION

University of Memphis, Tennessee.   **2024-2026**
Masters in Computer Science.   (Expected)

Keshav Memorial Institute Of Technology, India.   **2020-2024**
B.Tech in CSE (AIML) , CGPA: 8.6/10

Narayana Junior College, India.   **2018-2020**
High School (class XII) , Aggregate: 97.9 %

WORK EXPERIENCE

EdgeForce Solutions - Data Scientist Intern   **Jan 2024 - Apr 2024**

- Worked on a Condition-Based Monitoring (CBM) system for AFV's (Armoured fighting vehicle) to enhance equipment reliability, reduce downtime, and improve maintenance efficiency.
- Developed a regression-based predictive maintenance model aimed at forecasting the Remaining Useful Life Time (RUL) of Armoured fighting vehicles(AFV's).

LANGUAGES AND SKILLS

- **Languages and Frameworks :** C++ , Python, Java, HTML, CSS, Bootstrap, Sass, ReactJS, Flask, SQL.
- **Tools :** VS Code , GitHub , Google Colab , Kaggle.

COURSE WORK

OOPS , Data Structures & Algorithms , Machine Learning , Deep Learning , DBMS , NLP , Computer Vision.

PROJECTS

Movie Recommendation System
Content based movie recommendation website (CineMagic) built using machine learning.

- Using attributes such as genre, director, description, actors, etc. for movies to make suggestions for the users. The intuition behind this sort of recommendation system is that if a user liked a particular movie or show, he/she might like a movie or a show similar to it.
- Technologies Used: ReactJS , Sass , Machine Learning , Natural Language Processing , Flask.

Hurricane Damage Detection
Hurricane damage detection system built using Deep learning.

- The primary objective of this project is to detect if a property has been damaged by Hurricane or not using satellite images.
- Technologies Used: Deep Learning , Flask.

ACHIEVEMENTS

- NPTEL Elite Certification in Machine Learning.
- Completed Hacktoberfest 2023 Challenge