ROHITH DANDI

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EDUCATION

Mahindra University   **2020 − 2024**
Computer Science and Engineering - CGPA-7.9   *Hyderabad, India*

PROJECTS

Music Genre Classification With ML Techniques | **Course Project-fall '21**
- Music genre classification using collection .wav files of 10 different genres. The model takes as input the Mel Spectrogram of the song and analyzes the image using a Convolutional Neural Network (CNN). The output is a vector containing the score associated to each genre.

Internet Speed Test | **Course Project-spring '23**
- This application provides a user-friendly interface where users can initiate speed tests by one click. Worked with HTML, CSS, JavaScript, Node.JS ,API's and MongoDB . Users can view the number of requests initiated and the user history.

Decentralized Supply Chain Management Application | **Course Project-fall '24**
- A smart contract-based solution designed for decentralized supply chain management. It utilizes JavaScript, Solidity, Node.JS, Truffle, and Metamask to implement features such as tracking the movement of goods, verifying authenticity, and recording transactional information on the blockchain.

Multi-Stage Deep Learning Project | **Course Project-fall '24**
- ANN Regression, Neural Machine Translation, and Conditional Language Generation
- Stage-1: The construction and optimization of an Artificial Neural Network (ANN) for regression tasks, leveraging vectorization in Python without the use of deep learning libraries.
- Stage-2: Neural machine translation using Python code provided in a book chapter by Jason Brown Lee
- Stage-3: Extended the stage-2 to incorporate conditional language generation for improved accuracy.

RESEARCH PUBLICATIONS

spring '23
- Rohith Dandi,Dr. Om Prakash Patel and Dr. Neha Bharill, "Soybean Genome Clustering Using Quantum-Based Fuzzy C-Means Algorithm", The 30th International Conference on Neural Information Processing, ICONIP, Nov' 20-23, 2023, China. (Published).

PROFESSIONAL EXPERIENCE

Mahindra University   **01 2023 − 01 2024**
Research Assistant   *Hyderabad, India*
- Worked as a Research Assistant for Professor **Dr. Om Prakash Patel (P.h.D., IIT Indore, Faculty at Mahindra University, India).**

TECHNICAL SKILLS

Languages: Python, C, C++(Proficient),Java
Web Development: HTML, CSS, JavaScript
Tools/Technologies: ExpressJS, NodeJS, Git, GitHub, MATLAB, AutoCAD, LATEX, GitHub, Git,

ACHIEVEMENTS

Facebook Hacker Cup ⎘ |
- Qualification Round - 1,446th out of 27,604
- Round One - 2587th out of 12,330
- Round Two - 2,943rd out of 5,047

Academic Credentials
- Secured OBC-NCL Rank 3998 in JEE (Advanced)
- Scored 96.46 percentile in JEE Main (B.Tech)

INTERESTS

- Data Structures and Algorithms
- Competitive Coding
- Graph Theory
- Artificial Intelligence
- Combinatorics and Probability