ROHITH DANDI

Hyderabad,Telangana

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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.

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.

Portfolio ⬈ | **jan'24**

- A beautiful portfolio with React and Tailwind CSS, combining functionality with a seamless design. Showcased skills, projects, and achievements in an attractive and responsive display

URL Shortener ⬈ | **feb'24**

- Built a user-friendly URL shortener with MERN stack, offering secure authentication, efficient redirection, and a dashboard for easy URL management.

Interpretable Face Representation Learning with Explainable AI | **Ongoing**

- In this ongoing project, I'm utilizing Python, Computer Vision, and Pytorch to pioneer Explainable AI (XAI) applications in face representation learning. Focused on enhancing interpretability.
- The goal is to make complex face representation tasks more transparent and applicable for real-world scenarios.

RESEARCH PUBLICATIONS

- "Soybean Genome Clustering Using Quantum-Based Fuzzy C-Means Algorithm", The 30th International Conference on Neural Information Processing, ICONIP, Nov' 20-23, 2023, Changsha, 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).**

Mahindra University   **Ongoing**
Research Assistant   *Hyderabad, India*

- Working as a Research Assistant for Professor **Nidhi Goyal (Ph.D. in Computer Science, IIIT-Delhi Faculty at Mahindra University, India).**

TECHNICAL SKILLS

Languages: Python, C, C++(Proficient),Java
Web Development: HTML, CSS, JavaScript
Tools/Technologies: PyTorch, Tensorflow 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