Gontu Hemant Lakshman

MTech – Data Analytics
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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	M. Tech Data Analytics	NIT, Trichy	9.11*
2022	B. Tech CSE	Lovely Professional University Jalandhar,Punjab	8.54
2018	Class XII	Sri Chaitanya Junior College Visakhapatnam, APBIE	97.6%
2016	Class X	Kendriya Vidyalaya Bhubaneshwar, CBSE	10.0

Academic Achievements

- Represented my school in Children's Science Congress (CSC -2014) on the focal theme Understanding Weather & Climate change and got selected for National Level and were the Intra-Regional winner.

Projects

- **Image translation using Pix2Pix GAN:**   Mar 2023 – May 2023

    - Aims to solve the task of converting grayscale images to colour images.
    - **This** model was implemented on 2 different datasets (Flowers, Landscapes).
    - Through this project we implemented a conditional GAN architecture one which works with label data.
    - The Generator followed the U-NET Architecture and the discriminator was a patch-GAN.

- **Personal Portfolio Website:**   June 2023 – Jul 2023

    - Created a dynamic personal portfolio utilizing some of the basic concepts of **React, Node JS.**
    - To get familiar with **CRUD** functionalities a module was implemented in which one can add, update, and delete project tittle, image and description which is stored in a **NO-SQL Database**.

- **Covid Detection with Chest X-rays Transfer Learning:**   Sept 2022 – Dec 2022

    - Covid detection model trained on **augmented dataset** for unbiased results.
    - An inadequate dataset with an imbalanced class of samples adversely affects the performance of such models.

- o Through this work, we showcase the usage of **Auxiliary Classifier GAN (ACGAN)** and Transfer learning for prediction and this model yielded accuracy of 95.6 with validation accuracy of 92.57.

Technical Skills and Certifications

- Programming Languages : C, C++, SQL.
- Other Software   : Visual Studio, MySQL.
- Certifications   : Data Structures Bootcamp on Geeks for Geeks
- Training   : Harappa Education: Speaking Effectively, Writing Proficiently, Thinking Critically, Listening Carefully

Areas of Interests

- Operating Systems
- DBMS [Database Management Systems]
- Software Development
- Data Structures and Algorithms.

Positions of Responsibility

- **Event Manager, Pheonix Club, LPU Jalandhar:**   *Nov 2019 – Jan 2020*

  - o I spearheaded the event, booked venues, and invited all the respected guests.
  - o Promoted the event and managed the finances.

Extracurricular Activities

Social Activities:

- Started a community in our colony to provide food to local orphanage. Successfully signed up many families to volunteer in the programme. Regularly collected the food provided by the volunteered families and delivered it to the orphanage.
- Secured 2nd Prize in Quiz competition organized in Optima (Annual Event for Dept of Computer Applications) and 1st prize in Charades.