Nitya Santhosh

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EDUCATION

VIT Bhopal University   Bhopal, Madhya Pradesh
BTech(CSE Health Info), CGPA: 8.69   *Aug 2022 – Ongoing*

PROJECTS

COVID-19 Twitter Sentiment Analysis using NLP | *Python,NLTK,Tweepy*   Sep 2023 – Nov 2023
- Developed an ML and DL-based algorithm to analyze Twitter comments for sentiment classification (positive, negative, neutral)
- Extracted and processed Twitter data specific to the US and Delhi regions
- Generated visual insights through word clouds and sentiment distribution graphs to illustrate trends and patterns

Diabetic Retinopathy Classification | *Python, TensorFlow/Keras, EfficientNetB3*   March 2024 – May 2024
- Developed an EfficientNetB3 model to classify retina images into five categories: Healthy, Mild DR, Moderate DR, Proliferative DR, and Severe DR
- Trained the model over 100 epochs, achieving a high classification accuracy of 98.4 %

AF Classification | *Python, TensorFlow/Keras, Scikit-learn*   Oct 2024 – Present
- Preprocessed and categorized ECG datasets into N (Normal), A (Abnormal), and O (Other) to prepare for model training.
- Developed and trained a machine learning model to detect irregularities and classify ECG signals using feature extraction techniques
- Implemented anomaly detection with cross-validation to achieve high accuracy in detecting abnormal ECG patterns in real-time

EXPERIENCE

Google Cloud Skills Boost Virtual Internship   Oct 2024 – Present
- Completing a structured series of courses covering cloud fundamentals, infrastructure, networking, security, and data/ML/AI applications on Google Cloud Platform
- Gaining practical experience in deploying and managing cloud services, with a focus on building secure, scalable solutions
- Strengthening cloud architecture and development skills through real-world projects and hands-on labs

EXTRACURRICULAR

Co − Lead | HR Dept.   May 2024 – Present
- Led and conducted interviews to onboard new club members for the 2024-25 tenure, enhancing recruitment processes and member selection
- Boosted member engagement by 70-80 % through the organization of interactive events, strengthening the club's community and fostering collaboration
- Facilitated multiple club meetings, effectively addressing team concerns and ensuring smooth communication within the club

Core Member | Design Team   May 2023 – April 2024
- Designed over 10 engaging digital assets, including posters, banners, and social media posts using Canva, resulting in a 50% increase in engagement and a 25% boost in click-through rates.
- Collaborated with team members to develop creative strategies for promoting data science events, showcasing teamwork and project management skills

Certifications & Trainings

IBM Full Stack Software Developer Professional Certificate course   June 2023
Coursera

Applied Machine Learning in Python   Dec 2023
Coursera

Introduction to Programming Using Python   Nov 202
Conduira

Master's in Data Science   Sept 2023 – Present
Intellipat

Technical Skills

Languages: Python, Java, C++, MATLAB, Excel, HTML/CSS, SQL, Canva
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Eclipse, Jupyter, Android Studio
Technologies Frameworks: Computer Networks, DBMS
Libraries: pandas, NumPy, Matplotlib

Soft Skills

Soft Skills: Teamwork, Leadership, Communication, Problem-Solving, Adaptability, Attention to Detail
Languages: Hindi, English, Malayalam