Anirudh Joshi

PES University

324, Mahaveer Calyx,
BTM 4th Stage,
Bangalore

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Skills

Proficient at – Python, C
Knowledge of – Java, R, JavaScript
ML/DL Libraries - Pytorch, Tensorflow, OpenCV, NLTK, Spacy
Knowledge of Tools/Platforms – Flask, Docker, AWS, Kubernetes, SQL, Mongo DB

Internships

GAIP / NUS
June 2022
- Developed a resume parser and recommender.

ISFCR / PES Uni.
July 2021 – January 2022
- Developed a tool to detect deepfake videos using a bidirectional RNN and Optical flow algorithm

CODS / PES Uni.
September 2020 – May 2022
-Completed a project to detect Network Attacks using various classical ML techniques.
-Conducted a workshop demonstrating the webscraping of COVID-19 data using BeautifulSoup.

Education

PES UNIVERSITY / B.TECH
AUG 2019 - Present, Bangalore
CGPA- 8.41
7th Semester Student pursuing Computer Science Engineering.

AECS Magnolia Maaruti International School / *12th*
JUNE 2017 - MAY 2019, Bangalore
Secured 90% in CBSE Boards Examination.

PSBB Learning Leadership Academy / *10th*
Bangalore
CGPA- 9.2

Projects

DeepFake Detection

Developed a tool to detect deepfake videos using an RNN and Lucas-Kanade equation for optical flow.

GUILD [Generating Useful Insights Using Large Datasets]

Built a data categorization tool to assign categories to documents and then extract information about these categories in an unsupervised manner.
Used **ALBERT**, auto-encoder for dimensionality reduction, optimized K-Means and hierarchical LDA for topic extraction.

Deblurring Using GAN

Deblurred images in GoPro dataset using a GAN.

Email Spam Detection Using Spark Streaming & Incremental Learning

Classified emails in Enron spam detection dataset using SparkML in python.
Data was live streamed in batches using Spark and ML models were trained in an incremental way to train each batch as it was streamed.

Stock Market Analysis

Simulated real time stock market trading environment and provided recommendations on stocks to purchase based on recent trends.

Network Attacks Detection

Detected Network Attacks using various classical ML algorithms.

Password Manager

Developed a Password manager tool using MERN stack.

Personal Information Manager

Using Secure-C practices developed a tool to store users personal information by encrypting data using Caesar cipher.