Mohammed Yaseen

+91 7569527726 - Portfolio - Gmail - LinkedIn - Github - Leetcode

EDUCATION

Lords Institute of Engineering and Technology (7.95 CGPA) — **Hyderabad, Telangana, India**
Bachelors in Engineering - Computer Science with Data Science — *March 2020 - August 2024*

Sri Gitanjali Jr College — **Hyderabad, Telangana, India**
Intermediate in MPC — *April 2018 - June 2020*

International Indian School Dammam — **Dammam, KSA**
High School — *April 2007 - March 2018*

TECHNICAL SKILLS

Programming Languages: Python
Libraries and Tools: TensorFlow, SKlearn, Pandas, NumPy, NLP, OpenCV, Streamlit, spaCy, seaborn, Matplotlib, PowerBI, Excel
ML Architectures: Faster RCNN, YOLO, Random Forest
Version Control: Git

PROJECTS

Vehicle Detection from Aerial Images:

- Developed a YOLOv4-tiny object detection model for vehicle detection using a custom dataset.
- Utilized the Darknet framework and trained the model on Google Colab with a Tesla T4 GPU.
- Demonstrated expertise in deep learning and computer vision by achieving high detection accuracy.
- Applied practical object detection algorithms to solve the vehicle detection problem.

Helmet Detection and License Plate Recognition using CNN:

- Focused on enhancing safety and security through deep learning-based solutions.
- Developed a system for detecting helmets and recognizing license plates using Convolutional Neural Networks (CNNs).
- Leveraged advanced CNN techniques to improve the efficiency and accuracy of safety measures in various environments.

Twitter Sentiment Analysis (US elections 2024):

- Developed a model to detect hate speech in tweets, specifically targeting racist and sexist sentiments.
- Trained the model on a labelled dataset of 31,962 tweets, using NLP techniques for text cleaning and preprocessing.
- Visualized results with word clouds for positive/negative words and bar graphs for the most used positive and negative terms.
- Achieved a model accuracy of 95%, demonstrating effective use of machine learning and NLP to classify hate speech and improve online safety. Check it out!

Crimes Against Women analysis in India:

- Analysed crime data from 2001 to 2021 to highlight the alarming prevalence of crimes against women in India.
- Focused on issues such as domestic violence, kidnapping, dowry deaths, and women trafficking.
- The project aimed to raise awareness about the ongoing challenges women face and the urgent need for a safer environment. Check it out!

EXTRACURRICULAR ACTIVITIES

- **30 ML/DL Projects Challenge** on LinkedIn - August 2024 - Present
- **Technical Head** in DATANOVA - November 2023 - June 2024