Maitreya Zalte

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Education

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR (IIITN)
BTech in Computer Science and Engineering (CSE)
📅 2020 - 2024   📍 Nagpur, Maharashtra
- CGPA : 7.2/10

Projects

LICENSE PLATE DETECTION AND NUMBER EXTRACTION
Github Link
- This project extracts the license number out of an image containing frontal or back view of the vehicle.
- Detected number plate using contour method of **Object Detection**.
- Implemented **Character Segmentation** to segment the number plate characters.
- Used **CNN** for **Character Recognition**.
- Libraries used : tensorflow, cv2, keras, pandas, matplotlib, numpy

REAL TIME HAND GESTURE RECOGNITION
Github Link
- A system that performs a specified function on detection of certain hand gestures in the users' webcam.
- Libraries used : cv2, pandas, pyautogui

EDA ON HOUSE PRICES ADVANCED REGRESSION TECHNIQUES KAGGLE DATASET
Github Link
- An **Exploratory Data Analysis** on on the House Prices Dataset.
- Performed **Data Analysis, Feature Engineering and Feature Selection**

LIVE BITCOIN STREAMING
Github Link
- This project is intended towards streaming Bitcoin live and then plotting the **dynamic candlestick chart**.
- A websocket is created and linked to the site from where we are going to extract the live data, after which we store the data into a csv file and plot **candlesticks every 2 minutes**.
- Libraries used : mplfinance, pandas, matplotlib

SALES INSIGHTS USING POWER BI
Github Link
- An **interactive Power BI Dashboard** for a company's managerial staff which let's them gather valuable insights for 4 different years.
- **Data Cleaning, ETL (Extract Transform Load)** operations on sql dump file.
- Tech Stack : Microsoft Power BI, MySQL Workbench.

Skills

PROGRAMMING LANGUAGES
- Python   • C/C++   • HTML/CSS   • JavaScript   • SQL

TECHNICAL SKILLS
- Data Science   • Machine Learning   • Deep Learning
- Data Structures and Algorithms (DSA)
- Computer Vision   • Natural Language Processing
- Power BI   • Data Cleaning   • Data Analysis
- Extract Transform Load (ETL)
- Dashboard Building   • Microsoft Excel
- Microsoft Powerpoint   • Competitive Programming

NON-TECHNICAL SKILLS
- Problem Solving • Communication Skills
- Time Management

Coursework

- Data Structures and Algorithms (DSA)
- Machine Learning
- Maths for Data Science
- Neural Networks and Deep Learning
- Natural Language Processing (NLP)
- Object Oriented Programming
- Database Management Systems (DBMS)

Leadership/Extracurricular

MENTOR
Dimensions(AR/VR, Game Dev Wing at IIITN)
- Mentored freshers on Object Spawning and Image Tracking using AR modules in Unity Engine.

HEAD
Hindi RajBhasha Wing, IIITN
📅 Aug 2021 – Aug 2022   📍 Nagpur, India
- **Organised Hindi Pakhwara** at IIITN in Aug 2021 commemorating **'Azadi Ka Amrit Mahotsav'** on the **directives of Govt. of India**.

CONTENT HEAD
PROBE IIITN, Student Media Body at IIITN
📅 Jan 2022 – Current   📍 Nagpur, India
- Lead a Content Team of about 10 people at Probe IIITN

Other Achievements

At Institute :
- •Obtained MATLAB workshop certificate.

At School :
- Highest in Maths (SSC Board)
- Rank 1 at SOF's International English Olympiad(Class 10)