

Butta Rahul Aditya

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🔄 buttaRahul

Education

Bachelor of Technology, *Indian Institute of Information Technology, Pune* 📄
CGPA: 7.18

09/2020 – present
Pune, India

Skills

Python

Pandas

Machine Learning (Supervised and Unsupervised Learning)

Natural Language Processing (SpaCy, Gensim, NLTK)

Computer Vision

Scikitlearn

React.js

Javascript

django

SQL

C/C++

HTML and CSS

Relevant Coursework

Robotics and Intelligent Systems

Operating Systems

Computer Networks

IOT

Professional Experience

Data Science Intern, *YLYTIC* 📄

11/2022 – 01/2023
Bangalore, India

- Structured the raw data and used preprocessing techniques to handle large datasets efficiently.
- Utilized a diverse range of machine learning models to develop algorithms for predicting user city/location.
- Analyzed text data using NLP techniques and produced statistical insights on products based on user comments data.

Frontend Development Intern, *Profound* 📄

05/2023 – 08/2023
Hyderabad, India

- Customized and tailored user interfaces for Banking applications, leveraging React.js, JavaScript, Material UI, and Formik to meet specific user needs.
- Coordinated with cross-functional teams to integrate front-end with the Django.


Projects

Query-Assist, *a Tool to convert Natural Language Input into SQL queries.* 📄


- An NLP model which can convert Natural Language verbal specifications into SQL queries and executes it on database.
- It makes databases accessible to for people who may not be familiar with specialized database software.
- Can assist business analysts and data scientists in querying and analysing large datasets without requiring them to have deep SQL expertise.
- Technologies Used: Python, Spacy, NLTK, Pandas, Gensim, speech_recognition, torch audio.
- won second prize for a technical paper on this project in a National Technical Paper Competition.

- Repository Link: <https://github.com/buttaRahul/Query-Assist> 


Road Sign Detection, *A DeepLearning model to detect Traffic Signs using YOLOv8*

- Can detect traffic Signs
- Technologies Used: Python, ultralytics, opencv, seaborn
- Achieved a Mean Average Precision(mAP) of 92.2 on Road Sign Dataset
- Colab Link: https://colab.research.google.com/drive/1vhLn8Q0Bd6Bnmf5IEkuZEqwF_kbG8YLe?usp=sharing 



ParkWatch, *Real-time Vehicle Counting for Open Parking Spaces*

- Can Identify and count of cars parked in open parking spaces
- Differentiates parked cars from moving ones
- Technologies Used: efficientdet, kalmanFilter, OpenCV, TensorFlow, Python.
- Repository Link: <https://github.com/buttaRahul/ParkWatch> 





Postman Clone, *Postman Clone using React.js and Material UI*

- Redesigned the Postman application to enhance the user experience for testing API requests, with improved query parameter handling, headers management, and JSON options.
- Technologies Used: Reactjs, Material UI, Tailwind CSS, HTML, Javascript.
- Repository Link: <https://github.com/buttaRahul/postman-clone> 

Accomplishments

- Won 2nd prize in National Level Technical Paper Contest for **Query Assist Project** conducted by IETE.
- Notebooks Expert in Kaggle.
- 2566 Global Rank in Google Kickstart Round H 
- Highest global rating of 920 in Kaggle Notebooks.
- AIR 5624 in codeKaze Coding competition 
- Won Bronze medal in deal-no-deal @Esummit23 IIITP.

Certificates

- Natural Language Processing by DataCamp 
- Data Manipulation with Pandas by DataCamp 
- Advance React.js by Meta 
- Front-end Development by Meta 

Coding Profiles

Leetcode

https://leetcode.com/aditya_Rahul/ 

Kaggle

<https://www.kaggle.com/adityarahul/code> 

Position of Responsibility

Web developer for Ecell IIIT Pune

Actively contributed to the creation of intuitive and user-friendly web pages for Esummit 2023 and Ideathon 2022 events.