Harsh Chitaliya

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SUMMARY

Dedicated Machine Learning Engineer with a focus on Artificial Intelligence and Data Science, currently pursuing a BTech degree. Proficient in coding, possess strong communication skills, and thrive in collaborative environments, seeking opportunities to apply and expand expertise in AI and data science.

EDUCATION

Dwarkadas Sanghvi College of Engineering   **2022 – 2026**
(BTech) Artificial Intelligence and Data Science , Mumbai – CGPA: 8.68

Sadar Vallabhai Patel Jr College of Science and Commerce   **2021 – 2022**
HSC –80%, Mumbai

The Saraswati Vidayalaya   **2020 – 2021**
SSC-92%,Mumbai

COURSEWORK / SKILLS

• Database Management System (DBMS) • Java • Statistics • Machine Learning • Big Data • Data Analytics • Python • Ardino

INTERNSHIP

CodeSoft , Java Programming   **5th Sept 2023 - 5thOct 2023**
Internship experience in CodeSoft and Java Programming, involving hands-on development, debugging, and testing of software applications. Applied coding skills to solve real-world problems, gaining practical experience in software development and enhancing proficiency in Java programming

PROJECTS

Parking Management. | *Python & sql*
Designed and implemented a Parking Management System using Python and SQL, streamlining parking operations through efficient data management and user-friendly interfaces.Developed functionalities for space allocation, reservation, and real-time occupancy tracking, enhancing overall system reliability and user experience.

Product-Prediction |Python
The project involves predicting product performance using different machine learning models, assessing multicollinearity using VIF score,handling one-hot coding, scaling, and overfitting, upsampling data using SMOTE, evaluating performance using confusion matrix, recall,precision, and F1 score, interpreting results, and generating an ROC curve to assess model performance.

CycleHireAirPollution |Python-Pyspark
The project involves using PySpark to analyze the correlation between cycle hires and air pollution levels. It includes building a linear regression model, evaluating its performance, and plotting visualizations such as scatter plots, bar charts, pie charts, and histograms. Additionally, it predicts the season with the highest cycling activity and explores the relationship between cycling duration and gender.

Co2 emission trip data |Python-Pyspark
This project presents a study on transportation mode choice using VISTA trip data, comparing multinomial logit and nested logit models.The nested logit model showed improved prediction accuracy, suggesting its suitability for mode choice analysis. Recommendations includeusing nested logit models and exploring additional attributes for future research.

Customer Churn Prediction | Python-Machine learning
The goal of this project is to use available data to train a machine learning model that accurately predicts which customers are likely tochurn. By doing so, the business owner can make informed marketing decisions and take steps to retain those customers.

Technical Skills

Python, SQL,R ,Excel, Tableau, Apache airflow, Databricks , Datastat, , Kafka ,
 Developer Tools: VS Code, Tableau, PowerBI, ,Aws, Jira , Kanban

CO/EXTRACURRICULAR ACTIVITIES

DJS-NSDC, Marketing Co-committee. / Apr 2023 – June 2024.

Served as a member of the Marketing Co-committee at DJS-NSDC from April 2023 to June 2024.

Played a key role in strategizing and executing marketing initiatives, contributing to the promotion and success of events or programs organized by the committee.

DJS S4DS, Publicity Co-Committee. / Aug 2023 – July 2024 .

Actively participated in the Publicity Co-Committee of DJS S4DS from August 2023 to July 2024. Contributed to the planning and execution of publicity campaigns, effectively promoting events and initiatives within the college community. Played a pivotal role in enhancing the visibility and engagement of DJS S4DS through strategic marketing efforts.

CERTIFICATION

- BOLT IOT , Artifical Intelligence Training
- Eduonix , Basics of C Programming
- Udemy , Digishock 3.0 : The Future of Artifical Intelligence
- Edspread , 7 day Python and Machine Learning Bootcamp