Vinayak Chhabra

+91- 8865995055 | vinayakchhabra545.vc@gmail.com| linkedin.com/in/vinayak

Profile

Dedicated and skilled Data Science enthusiast with experience of more than 1 year in project work. Skilled in python programming, data analysis, and machine learning algorithms. Seeking a position to apply my knowledge and skills in data-driven decision-making and contribute to innovative projects in a dynamic environment.

Skills

Programming Languages: Python , C++
Data Analysis & Manipulation: NumPy, Pandas, Seaborn, Plotly
Database Management: MySQL
Machine Learning Algorithms: Regression, Classification, Clustering, Basics of Neural Networks
Mathematics for Machine Learning: Linear Algebra, Calculus
Statistical Analysis: Descriptive and Inferential Statistics, Probability Distribution Functions, Hypothesis Testing, Confidence Intervals, Regression Analysis
Data Visualization: Matplotlib, Seaborn, Plotly
Tools & Platforms: Jupyter Notebook, Git, GitHub, Flask, Selenium , Beautiful Soup.

Projects

MULTI-DOMAIN RECOMMENDER SYSTEM (ongoing)

- Aims to provide personalized recommendations in three domains: movies, books, and songs.
- already developed 2 recommendation engines, one for movies using content-based filtering and another for books using collaborative filtering.
- Currently expanding the recommender system to incorporate a collaborative filtering approach for song recommendations, leveraging user-item interactions to enhance personalized recommendations in the music domain.
- Tools and Library used: Python, NLTK, Streamlit, Machine Learning.

DATA ANALYSIS WEB APP

- Created an Olympic analysis web app that received over 20 unique visits in the first day after deployment.
- Implemented 4main sections:
  - Medal Tally
  - Overall Analysis
  - Country-wise Analysis
  - Athlete-wise Analysis
- Utilized data visualization techniques to present analysis, including interactive charts and graphs.
- Technologies used: Python, NumPy, Pandas, Streamlit , Html.

BANGALORE HOUSE PRICE PREDICTION

An end-to-end project which predicts the Bangalore house price based on features such as BHK, location, Number of bathroom and Sqft area.

- Implemented feature engineering techniques, including dimensionality reduction and feature scaling, to enhance model performance and interpretability.
- Tools used: Python, Machine Learning, Flask, HTML, CSS, JavaScript.

Internships

DATA SCIENCE AND BUSINESS ANALYTICS INTERN

- Company: The Sparks Foundation
- Duration: 1 Month (Feb 2023 – March 2023)

DATA SCIENCE ANALYTICS INTERN

- Company: Oasis Infobyte
- Duration: 1 Month (Feb 2023 – March 2023)

Education

BCA

- Chandigarh Group of Colleges
- 2021 – 2024
- CGPA: 8.04

CLASS XII

- Pragyan Sthali School
- 2021
- 87%

Activities and Interests

Gymnastics, Yoga, Cinephile, Self Improvement.