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| Vinayak Chhabra |

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# 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**](https://github.com/vinayak910/Book-recommender-end-to-end-) **(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](https://vinayak910-olympic-data-analysis-web-app-app-zd8899.streamlit.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](https://github.com/vinayak910/Bangalore-House-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.