

Ishan Sharma

Dedicated and detail-oriented Data Scientist with a strong foundation in statistical analysis, machine learning, and data manipulation. Passionate about deriving insights from complex datasets to drive informed decision-making and enhance business strategies.

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TRAINING EXPERIENCE

Data Science Trainee

AlmaBetter [↗](#)

09/2022 - Present

Bangalore

Skills: Python, Excel, Looker Studio, SQL, Tableau, Power BI, Good Communication skill, Team Work

- Learnt Skills like **Feature Engineering, EDA, Data visualization** and other skills like **teamwork, time management and problem-solving**. Got hand-on experience with tools like **Power BI, Tableau, and Scikit-Learn**.
- Worked on projects like **Analysis of Google Merchandise Store, Cat VS Dog Population in USA and Play Store App Review Analysis (EDA)**. Worked on SQL case studies like **Danny's Dinner, Pizza Runner and Foodie Fi**. Gained proficiency in python programming.
- Secured a place in the **top 5%** of students in the **cohort of 400 students**, which allowed me to work as a **Subject Matter Expert for Doubt Resolution**.

ACADEMIC PROJECTS

Netflix Movies and TV shows Clustering

AlmaBetter Verified Project [↗](#)

04/2023 - 05/2023

Skills: Clustering, K-Means, TF-IDF, NLP

- Objective is to build **unsupervised clustering algorithm** and **recommendation system for Netflix content**.
- Implemented **tokenization, Stemming, TF-IDF, PCA, silhouette analysis, and elbow method** for model enhancement. Utilized **K-means, hierarchical clustering, and DBSCAN algorithm** for building cluster.
- Implemented a state-of-the-art recommendation system for Netflix utilizing advanced techniques such as **TF-IDF and cosine similarity**.

Coronavirus Tweet Sentiment Analysis

AlmaBetter Verified Project [↗](#)

04/2023 - 04/2023

Skills: Supervised ML, Multinomial Naive Bayes, Logistic Regression

- Developed a sentiment classification model for **Covid-19 tweets** using manually tagged data that included **location, timestamp, original tweet and sentiment**.
- Experimented with algorithms where **Logistic Regression** emerged champion model with **Accuracy scores of 78.28%** when using 3 sentiment classifications with **SVM being close second**.
- **Logistic Regression** worked well due to its ability to handle **linear and non linear relationship** between features and sentiments.
- This model can be leveraged to identify prevailing **attitudes and emotions, enabling policymakers and healthcare workers** to respond effectively and develop targeted interventions to address specific concerns or issues.

Retail Sales Prediction

AlmaBetter Verified Project [↗](#)

03/2023 - 04/2023

Skills: Supervised ML, Linear Regression, Decision Tree, Random Forest

- To optimize a **store's operations, inventory management, and sales strategies** developed a powerful retail sales prediction model using **Linear Regression and Tree-based Regressors**.
- Applied processing techniques such as **Outlier Treatment, Multicollinearity, and Feature Scaling for optimal performance**.
- Optimized the model for predicting sales of Rossmann stores using **Hyper Parameter Tuning with RandomizedSearch CV**.
- The effort resulted in an impressive **R-squared score of 85.9%**, driving business growth through accurate sales prediction.

TECH STACK

Expertise in Language and Tools (X/5)

Python(4.5/5) || SQL(4.6/5) || Excel(4.4/5) || Power BI(4.8/5) || Tableau(4.7/5) || Looker Studio(4.7/5)

Platforms

Jupyter Notebook, PostgreSQL, VS Code, Google Colab

ML Framework

Sci-kit Learn, Spacy, Keras, Pandas, NumPy, Matplotlib, Plotly, Seaborn, Flask, NLTK, Streamlit

Operating System

Windows

RELEVANT COURSEWORK

Almabetter Full Stack Data Science Program (09/2022 - 04/2023) [↗](#)

ACHIEVEMENTS

Gold Badge in Python (07/2023 - 08/2023) [↗](#)
HackerRank

Gold Badge in SQL (07/2023 - 08/2023) [↗](#)
HackerRank

EDUCATION

BE Civil Engineering

D.Y.P.I.E.M.R, Akurdi, Pune. [↗](#)

08/2018 - 08/2022
CGPA: 8.41

Higher Secondary School(HSC)

Oriental Academy, Jammu [↗](#)

04/2017 - 04/2018
Percentage: 82

Senior Secondary School(SSC)

Dream Land Public School, Jammu [↗](#)

04/2015 - 06/2016
Percentage: 93

INTERESTS

Theatre

Gym

Powerlifting

Bike Ridding