Devansh Saini

A **Certified Data Scientist**, possessing a combination of meticulous **attention to detail**, creative **problem-solving abilities**, and advanced **statistical analysis** skills. Experienced in handling diverse datasets. Expertise in developing machine learning models for actionable business insights. Adept at both collaborative teamwork and solo tasks. Eager to contribute as a key asset to your team. Let's elevate your data game together!

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TRAINING EXPERIENCE

DATA ANALYST TRAINEE
AlmaBetter ↗

02/2023 - Present   *Bengaluru*

Achievements/Skills: Excel, SQL, Tableau, Power BI, Looker Studio Good Communication skill, Soft Skills, Team Work

- Acquired skills encompassing **Python, Feature Engineering, EDA, and Data Visualization,** alongside **teamwork, time management,** and **problem-solving**. Proficient in tools such as **Power BI, Tableau,** and **Scikit-Learn**.
- Executed projects including Google Market Analysis, cardiovascular risk prediction analysis, Global Earthquake Analysis and Hotel Booking Analysis
- Attained **top 10** ranking in the cohort, leading to a role as a **Teaching Assistant (Data Science)** for Doubt Resolution.

ACADEMIC PROJECTS

CARDIOVASCULAR RISK PREDICTION
AlmaBetter Verified Project ↗

08/2023 - 09/2023

Tags: Supervised ML, KNN, SMOTE, Imbalanced Class, SVM, Precision, Recall

- Constructing a **supervised machine learning model** to forecast whether patients face a **10-year risk** of future coronary heart disease (CHD).
- Addressed class imbalance utilizing the **SMOTE** technique and partitioned the dataset into training and testing sets. Implemented the **Support Vector Machine, XG Boost** and **Decision Tree Classifier models**.
- In **hyperparameter tuning**, **XG Boost accuracy** increased from **82.55%** to **89.67%**, with notable improvements in **precision (92.69%)** and **recall (85.61%)**. This model **aids proactive healthcare**. **Enhances risk reduction** measures for better patient outcomes.

GOOGLE MARKET ANALYSIS
AlmaBetter Verified Project ↗

10/2023 - 11/2023

Tags: EDA, Data Cleaning, Dashboard, Looker's Studio, Visualization, customer retention

- Creating interactive **Looker Studio** dashboards to visualize **Market Analytics, Cohort Analytics**, and **Funnel Analysis** using Google Analytics data.
- Conducted **Exploratory Data Analysis (EDA)** and **statistical analysis** to derive comprehensive **business insights.**
- Created an **interactive dashboard** to visually display performance across various channels and customer cohorts. Implemented **Funnel Analytics** to assess conversion rates at each stage of the user journey.

GLOBAL EARTHQUAKE ANALYSIS (1900-2014)
AlmaBetter Verified Project ↗

10/2023 - 11/2023

Tags: EDA, Data Cleaning, Power BI, Dashboard, Seaborn, Visualization

- Created interactive dashboards using **Power BI** to visually depict the patterns and outcomes of global earthquake behavior
- Conducted **data cleaning** and **preprocessing** to address missing values and outliers
- Established a centralized data model and employed Power BI's **visualization tools**, including charts, maps, and **KPIs**, to efficiently convey insights and findings

TECH STACK

Expertise in Languages & Tools (x/5)
Python - 4.5 || SQL - 4.5 || Tableau - 4.5 || Excel - 4.5 || PowerBI - 4.5 || GitHub - 4.5 || Looker Studio - 4.5

Platform
Jupyter Notebook, PostgreSQL, Google Colab, GitHub, MS Office.

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

ACHIEVEMENTS

Gold Badge in Python
HackerRank || 550 Points in Python

Gold Badge in SQL
HackerRank || 650 points in SQL

RELEVANT COURSEWORK

Tableau by AlmaBetter (07/2020 - 07/2023) ↗
Built a Tableau dashboard for EDA on Cardiovascular Risk Predection

The Joy of Computing using Python (06/2022 - 10/2022) ↗
NPTEL Elite Certificate

An Introduction to Programming Through C++ (01/2022 - 04/2022) ↗
NPTEL Elite + Silver Certificate

EDUCATION

BSc.
Teerthanker Mahaveera University, Moradabad ↗
80% || 2019 - 2023

INTERESTS

Data Analysis   Coding

Data Visualization   Problem Solving

Portrait Artist