

SHUBHAM PATHANIA

Data Analyst | Data Scientist | Machine Learning Engineer

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Chandigarh

SUMMARY

Data-driven analyst with 3 years of experience in the pharmaceutical sector and a proven ability to transform raw data into actionable insights.

Skilled in Python, SQL and machine learning, with expertise in visualizing complex data using Excel, Tableau, and Power BI to drive strategic decision-making. Seeking a challenging role to contribute to innovative data solutions.

EXPERIENCE



Quality Control Analyst

Glenmark Pharmaceuticals

11/2020 - 05/2023 | Nalagarh, Himachal Pradesh

- Ensured quality standards by analyzing raw and finished materials through systematic testing and SAP-based report management.
- Leveraged data insights to optimize quality control processes, improving decision-making and regulatory compliance.
- Prepared and presented detailed reports to the QA department for compliance verification and report checking.

PROJECTS

Zomato Restaurant Clustering and Sentiment Analysis

<https://github.com/ShubhPathania/Zomato-Restaurant-Clustering-and-Sentiment-Analysis>

- Cleaned and preprocessed data for accuracy and integrity. Deeply explored user reviews and identified key topics using **topic modeling** to understand customer preferences and sentiment.
- Developed four **classification** models, with **XGBoost** and **SVC** achieving over **94% accuracy** to extract actionable insights for restaurant improvement.

Bike Sharing Demand Prediction

<https://github.com/ShubhPathania/Bike-Sharing-Demand-Prediction>

- Conducted data cleaning, EDA and validated **hypothesis** to identify key demand patterns and critical factors influencing bike rentals.
- Implemented **feature engineering** and **categorical encoding** to enhance model performance.
- Developed five **regression** models, with **Random Forest** achieving over **89% predictive accuracy** in predicting Seoul's bike rental demand based on weather and seasonal factors.

Paris Olympics 2024 Analysis

<https://github.com/ShubhPathania/Olympics-2024-Analysis-PowerBI>

- Developed interactive **Power BI Dashboards** to analyze Olympic Games data, focusing on medal distribution, athlete performance, and historical trends.
- Utilized advanced data visualization techniques to present key insights on medal counts by country, gender and age categories.
- Created a mobile-friendly layout, optimizing dashboards for seamless viewing across devices, enhancing user experience.

Play Store App Review Analysis

<https://github.com/ShubhPathania/Play-Store-App-Review-Analysis>

- Cleaned and analyzed Google Play Store app data, uncovering insights into competitive categories, app size impact and user sentiment.
- Unveiled hidden patterns through advanced data visualization, enabling data-driven decision-making.
- Utilized **Tableau** to create interactive, **user-friendly visualizations** and **Dashboards** to explore and understand key trends and insights.

EDUCATION

Master of Computer Science in Data Science and Artificial Intelligence

Woolf University

2023 - Present

Master of Science in Biotechnology

Shoolini University

2017 - 2019 | Solan, Himachal Pradesh

Bachelor of Science in Biotechnology

Chandigarh University

2014 - 2017 | Mohali, Punjab

CERTIFICATIONS

Advanced Certification in Full Stack Data Science and Artificial Intelligence

Completed an industry-recognized certification in data science and artificial intelligence from the **Indian Institute of Technology, Guwahati**.

Course on Machine Learning

Developed an in-depth understanding of machine learning algorithms using python through a short-term course provided by the **Indian Institute of Technology, Mandi**.

SKILLS

Python	SQL	Tableau	Power BI
Excel	Data Visualization	Data Cleaning	
Statistical Analysis	Machine Learning		
Deep Learning	NLP	SAP	

KEY ACHIEVEMENTS



HackerRank

Earned 5 stars in Python & SQL

FIND ME ONLINE



LinkedIn

<https://www.linkedin.com/in/shubhpathania>



GitHub

<https://github.com/ShubhPathania>



Portfolio

<https://shubhpathania-portfolio.netlify.app>