

Jatin Gupta

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Professional Summary

Results-driven Data Science and AI professional with expertise in **Data Science, Business Analytics, Data Analytics, and Generative AI**. Proficient in **Python, SQL, Tableau, Excel, Mathematics, Statistics, NLP, Deep Learning**, and advanced analytics tools to extract actionable insights and drive business impact.

Skilled in **building AI-powered applications, predictive models, and analytical solutions** to solve real-world problems. Completed multiple projects, including **hotel booking analysis, Airbnb analysis, telecom churn prediction, resume screening NLP models, two SQL-based data analysis projects, and a Tableau dashboard for US Superstore sales**. Adept at using **SQL for data manipulation, querying, and optimization**, as well as **Tableau for interactive data visualization and business intelligence**.

Working in **Indian Railways** has strengthened my **problem-solving, analytical thinking, communication, and leadership skills**. Managing operations under strict schedules enhanced my **time management and adaptability**, while ensuring accuracy sharpened my **attention to detail**.

Technical Skills and Tools

Python, SQL, Data Analysis Skills, Mathematics, Probability, Statistics(Descriptive & Inferential), Machine Learning, Tableau, Excel, Power BI, Generative AI, Deep Learning, Neural Network, Natural Language Processing, Microsoft Powerpoint

Algorithms

- **Python-** NumPy, Pandas, Data Analysis, EDA etc.
- **Mathematics-** Business Maths, Statistics, Hypothesis Testing, Central Limit Theoram etc.
- **Gen AI Frameworks-** Langchain, LLMs, RAG, Vector Database, RLHF, Count Vectorization, Word2vec. Agents etc.
- **Deep Learning-** RNNs, CNNs, Neural Networks etc
- **NLP-** NLP Pipelines, NLTK etc

Certifications

Python, Overall SQL for DS Challenge, SQL Fundamentals, Machine Learning, Tableau, Advance Analytics Frameworks, Advance Maths for Data Science, Descriptive Statistics, Inferential Statistics, Probability, Statistics, Calculus & Linear Algebra, Generative AI, Excel Fundamentals, Power BI

Professional Experience

Alma Better

Trainee | 06/2022 - 03/2023

Worked as a Data Science Trainee at Alma Better Institute, gaining hands-on experience in data analysis, Python programming, and project development. Successfully completed several projects, enhancing skills in data visualization, machine learning, and problem-solving, while mastering tools like SQL, Tableau, and deep learning frameworks.

Indian Railways | Tamilnadu

Operating | 06/2023

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Personal Projects :

Hotel Booking Analysis(Python)

- Using Data exploration to check the summary of the data, how it looks like and size of the data.

- Implemented EDA(Exploratory Data Analysis) using Python(Using NumPy, Pandas, with certain methods and functions of Python).
- Creating facts to inform strategic business decisions.
- Coming up with solutions to business problem.
- Perform data visualization through Python, Matplotlib and Seaborn.

Telecom Churn Analysis(Python)

Analyzed customer churn trends based on telecom services using Python. Identified key churn reasons, average subscription duration, and popular offers to derive actionable insights.

US Superstore Sales(Tableau Project)

Developed an interactive Tableau dashboard to analyze US Superstore sales data. Identified key trends in profit, sales, average sales, and average profit. Conducted category-wise and state-wise analysis to uncover insights on sales and profitability. Enhanced decision-making by visualizing city-level sales distribution and category performance.

Online Bookstore Sales(SQL)

This project involved analyzing an online bookstore's data using SQL queries to identify spending patterns, popular genres, and high-value customers. Insights included regional trends, sales by genre, and customer behavior, helping optimize marketing, inventory, and customer retention strategies.

Pizza Sales Analysis(SQL)

This project focuses on analyzing pizza sales data using SQL to derive valuable business insights. The dataset includes various pizza orders, and we aim to calculate key performance indicators (KPIs) and visualize important trends.

Netflix Movies and TV Shows(Python)

- Carried out day to Day duties accurately and efficiently.
- Used Python Libraries such as pandas, with different functions of Python.
- By using EDA come up with the good insights from the Data.
- With the help of Seaborn and Matplotlib plotted graphs for Visualization.
- Also after Analyzing and Critical thinking came up with productive results.

Portfolio Account

Social Links

GitHub- [GitHub Link](#)

Linkedin- [Linkedin Account Link](#)

Education

University of Delhi

Bachelor's Degree

03/2018 - 03/2021