Nikhil Teotia

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Profile Summary

Results-driven Business Intelligence post-graduate student with 2+ years of experience turning complex data into actionable insights and process improvements. Strong foundation in Python, SQL, and Power BI, with hands-on success developing interactive dashboards, predictive models, and automated reporting solutions across systems. Proficient in data modeling, statistical analysis, and data visualization, with a certification as a Microsoft Power BI **Data Analyst (PL-300) and Python for Data Science and Machine Learning Bootcamp** .

Skills

Programming Languages : Python (NumPy, pandas), Java, JavaScript, HTML/CSS, JSON, APIs
Data Visualization : Microsoft Power BI, Tableau, Excel, PowerPoint, Matplotlib, Seaborn
Database Management: MySQL, PostgreSQL, SQL Server, Oracle
Data Analysis : ETL, Data Wrangling, Data Warehousing, Data Transformation, EDA, KPI Tracking

Experience

Jr Data Analyst   *Noida, India*
Stratosphere Pvt Ltd   *March 2022 – Nov 2023*

- Designed and optimized complex SQL queries to extract, filter, and aggregate data from various ERP systems (HR, Payroll, Examination), supporting audits and cross-departmental reporting.
- Accessed and integrated **data via REST APIs** to enrich reporting datasets and automate ingestion workflows across internal platforms, reducing manual data preparation time.
- Automated critical KPI reports and dashboards using **Excel and SQL**, enabling near real-time visibility into operational and financial metrics and reducing manual reporting time by 20 percent.

Data associate   *Noida, India*
Excellent Softwares Pvt Ltd   *Oct 2021 – March 2022*

- Accelerated revenue by identifying process and operational improvements through diagnostic data analysis in Excel and SQL, contributing to a 47,000 increase in annual revenue.
- Structured and organized 5,000+ customer and 10,000+ inventory records into a Sql server database, enabling efficient regular reporting via advanced Excel features (Pivot Tables, VLOOKUP).

Projects

Airbnb-Data-Analysis

- Built a supervised machine learning pipeline to predict telecom customer churn using a Kaggle dataset with 7,043 observations and 21 variables, applying data cleaning, preprocessing, feature engineering, and exploratory data analysis.
- Trained and evaluated multiple models—including Logistic Regression, Random Forest, Decision Tree, and Naive Bayes—and compared their performance using accuracy, precision, recall, and F1 score metrics to identify the most effective approach.
- Developed visualizations (matplotlib, seaborn) to communicate model insights and churn risk factors, enabling data-driven recommendations for retention strategies.

Power BI Project - Credit Card Financial Dashboard

- Segmented 10,000+ credit card users into low, medium, and high risk tiers by analyzing transaction history and delinquency patterns to support targeted credit risk management strategies.
- Delivered an interactive Power BI dashboard by combining Power Query for data integration and cleaning with **DAX** measures to calculate delinquency rates, payment trends, and risk indicators—enabling actionable insights for fraud detection and customer segmentation.

Education

Post-Graduate Certificate in Business Intelligence and System Infrastructure   *Jan 2025 - present*
Algonquin College Ottawa, Ontario, Canada

Post-Graduate Certificate in Cyber Security Analysis   *Jan 2024 - Aug 2024*
Algonquin College Ottawa, Ontario, Canada

Bachelor of Computer Applications   *Jun 2018 - Apr 2021*
Institute of Management Studies, Ghaziabad, India