

Nikhil Teotia

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Profile Summary

Results-driven data analytics professional and AI enthusiast with 2+ years of experience turning complex data into actionable insights. Strong foundation in Python and SQL, and adept with machine learning frameworks (scikit-learn, TensorFlow, PyTorch) for building predictive models. Hands-on success developing interactive dashboards, data solutions, data modeling, statistical analysis, and data visualization (Power BI) including a telecom customer churn prediction. **Certified Microsoft Power BI Data Analyst (PL-300) and Python for Data Science and Machine Learning Bootcamp.**

Skills

Programming and ML: Python (pandas, NumPy, scikit-learn, TensorFlow, PyTorch), Java, JavaScript, HTML/CSS

Data Visualization : Power BI, Tableau, Excel, PowerPoint, Matplotlib, Seaborn

Database : MySQL, PostgreSQL, SQL Server, ETL, Data Warehousing, Data Wrangling, EDA, Feature Engineering

Cloud Tools : Azure, Git, REST APIs, JSON

Experience

Jr Data Analyst

Stratosphere Pvt Ltd

Noida, India

March 2021 – 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 dashboards and reports using Excel and SQL, providing near real-time visibility into operational metrics and presenting insights through clear data storytelling techniques.

Projects

Credit Card Financial Dashboard (Power BI Project)

- Ingested and stored large-scale credit card transaction data (10,000+ records) in Azure Data Lake Storage, enabling scalable and secure cloud data management.
- Developed an automated ETL pipeline using Azure Data Factory to extract, clean, and transform raw data into analytics-ready tables.
- Delivered an interactive Power BI dashboard connected to Azure datasets, integrating Power Query and DAX measures to calculate delinquency rates, payment trends, and risk indicators in near real time.

Telecom Customer Churn Prediction (Machine Learning Project)

- 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.

Education

Post-Graduate Degree in Business Intelligence and System Infrastructure

Algonquin College Ottawa, Ontario, Canada

Jan 2025 - present

Post-Graduate Certificate in Cyber Security Analysis

Algonquin College Ottawa, Ontario, Canada

Jan 2024 - Aug 2024

Bachelor of Computer Applications

Institute of Management Studies, Ghaziabad, India

Jun 2018 - Apr 2021