Nikhil Teotia

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Profile Summary

Result-driven and skilled Data anlayst professional with 1+ years of experience in data analytics, process automation, and real-time reporting using Python, SQL, and Power BI.Proven ability to clean, model, and visualize complex datasets to support evidence-based decision-making.Adept at structured programming, dashboard development, and delivering ML-powered insights for business optimization.Certified in **Microsoft PL-300** and **Python for Data Science and Machine Learning**.

Education

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

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

Skills

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

ML Techniques: Supervised and Unsupervised Learning, Regression, Classification, Random Forests, Decision Trees, Model Evaluation (ROC, F1 Score)

Databases and Software Tools: MySQL, Oracle, PostgreSQL, Git, Jupyter, Visual Studio, SharePoint, Visio

Data Analysis and Visualization: Power BI, Tableau, PowerApps, Excel, KPI Reporting, Risk Reporting, EDA, Data Modeling, Matplotlib, Seaborn, PowerPoint

Experience

Jr Data Analyst   *Noida, India*
Stratosphere Pvt Ltd   *Dec 2021 – Nov 2023*

- Designed and deployed modular ERP systems (HRMS, Payroll, Exam modules) for 3+ major universities.
- Optimized SQL queries using indexing and query refactoring, reducing page load times by 35 percent.
- Debugged and performance-tuned 50+ web pages, resolving critical back-end issues and enhancing system stability.
- Collaborated with cross-functional teams to deliver scalable solutions using Python and Oracle.

Crew member   *Ottawa, Canada*
Tim Hortons   *March 2024 – Present*

- Delivered high-quality customer service in a fast-paced environment, serving over 50+ customers daily with efficiency and professionalism.
- Trained and supervised new team members, improving onboarding time by 25 percent and enhancing team performance.

Projects

Machine Learning Models (ML Portfolio Project)

- Developed models for regression, classification, and clustering using Python, scikit-learn, and pandas.
- Applied hyperparameter tuning, cross-validation, and ROC analysis to boost accuracy.
- Used real-world datasets (e.g., housing, finance, healthcare) to showcase applied ML workflows.

Diabetes Patient Analysis (ML Project)

- Conducted exploratory data analysis and built a classification model on Pima Indians diabetes large dataset using Python.
- Created 10+ visualizations (heatmaps, histograms, boxplots) to identify health risk factors.
- Achieved 80 percent accuracy with logistic regression and decision tree models and communicated results through performance metrics (precision, recall, F1-score).

Credit Card Finance Report

- Built a dynamic dashboard in Power BI analyzing 5M+ rows of transactional and demographic data using Power Query and DAX.
- Automated reporting workflows, cutting manual effort by 60 percent and uncovering key insights on top-performing geographies, high-value customer personas, and revenue leakage areas.