Nikhil Teotia

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Profile Summary

Detail-oriented Data Analyst with over 2 years of experience in SQL development, statistical modeling, and business intelligence.Offering hands-on experience in data analytics, machine learning, and technical reporting automation. Adept in Python, SQL, and Power BI for building scalable data-driven solutions. Demonstrated ability to analyze structured/unstructured datasets, uncover trends, and drive business process improvements. Enthusiastic about hybrid roles and automotive analytics, with cross-functional collaboration and operational support experience.

Skills

Programming: Python, SQL (MySQL, PostgreSQL), Java, HTML, JavaScript
Analytics and Modeling: Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Matplotlib, Seaborn
Visualization Tools: Power BI, Tableau, Databricks, Excel
Data Management: ETL, Data Wrangling, Data Cleaning, Transformation, LLMs , Generative AI

Experience

Junior Data Analyst *Noida, India*
Stratosphere Pvt Limited *Nov 2021 – Oct 2023*
- Automated ERP reporting for service and operations using Power BI, reducing manual processing time by 60 percent.
- Conducted trend analysis on semi-structured datasets from HR, payroll, and examination modules to improve reporting efficiency by 8 percent.

Crew Member *Ottawa, Canada*
Tim Hortons *Apr 2024 – Present*
- Supported operational workflows in a fast-paced customer-facing environment; improved communication and multi-tasking abilities critical for technical support roles.

Projects

Predictive Maintenance Warranty Claim Simulation - *Python, Scikit-learn, Power BI, SQL*
- Simulated vehicle maintenance datasets to forecast warranty claim rates using logistic regression and random forest.
- Identified high-risk components and visualized emerging trends via interactive dashboards.

Machine Learning Models Portfolio -*Python, scikit-learn*
- Developed a comprehensive ML portfolio with projects across regression, classification, and clustering using Python, scikit-learn, and pandas.
- Trained linear and logistic regression models on real-world datasets (e.g., housing prices, loan defaults, medical data) optimized using cross-validation and residual analysis.
- Implemented decision trees and random forests to boost classification accuracy performed hyperparameter tuning and ROC curve analysis.

Diabetes-ML-Project -Python,NumPy,Pandas,Seaborn,Matplotlib, scikit-learn
- Conducted full-cycle EDA and developed a classification model using Random Forest.
- Achieved above 85 percent accuracy and visualized key health indicators impacting outcomes.

Education

Post-Graduate Certificate in Business Intelligence and System Infrastructure *Jan,2025 - present*
Algonquin College Ottawa, Ontario, Canada
- **Coursework:**Machine Learning,Cloud Platforms(AWS),Statistics,Data Integration,Data Modeling

Post-Graduate Certificate in Cyber Security Analysis - *Algonquin College* *Jan,2024 - Aug,2024*
- GPA: 3.74/4
- **Coursework:** Penetration Testing, Vulnerability Management, Cloud Security

Bachelor of Computer Applications - *Institute of Management Studies* *Jun 2018 - Apr 2021*
- GPA: 7.9/10
  Ghaziabad ,India