

## Nikhil Teotia

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### Profile Summary

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Versatile and detail-oriented data professional with hands-on experience in data analysis, data modeling, and business intelligence. Proficient in Python and SQL for data manipulation and automation, with a strong grasp of ETL processes, relational databases, and data integrity techniques. Skilled in developing interactive dashboards using Power BI and Tableau to enable data-driven decision-making across business functions. Knowledgeable in statistical modeling and machine learning to uncover actionable insights from large datasets. Proficiency in Excel, Visio, PowerPoint. Backed by 1 year of client-facing experience at Tim Hortons, demonstrating strong communication, teamwork, and customer service skills in fast-paced environments

### Skills

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**Languages:** Python, JAVA, SQL, HTML5, CSS5, Javascript, JSON, SQL

**Frameworks:** Pandas, Numpy, Seaborn, Scikit learn, Matplotlib

**Tools:** MySQL Server, Power BI, Tableau, Excel, Jupyter Notebook

**Data Processing:** ETL, Data Wrangling, Data Cleaning, Data Extraction, Data Transformation

### Experience

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#### Java Web Developer

Noida, India

Stratosphere Pvt Limited

Nov 2021 – Oct 2023

- Developed and deployed robust ERP modules—including HRMS, Payroll, Examination, and Establishments for universities like CCSU, CUK, and JNFU, using Java for backend logic and MySQL for data management.
- Optimized dynamic data processing and ensured data integrity by developing complex SQL queries, views, stored procedures, and triggers, while improving web performance by 35 percent through query tuning and execution plan optimization.

### Projects

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#### Bank Loan Report - *Power BI, SQL, Excel*

- Developed an interactive Power BI dashboard by transforming raw Excel and SQL data (38K+ loan records) into relational models using Power Query and DAX, enabling stakeholders to analyze funded amounts, interest rates, and default risks for data-driven decision-making.
- Automated KPIs such as loan performance (good vs. bad), interest rate averages, and temporal trends by writing complex SQL queries for data extraction and applying DAX measures in Power BI, streamlining reporting workflows and improving analytical efficiency.

#### Diabetes ML Project - *Python, Pandas, NumPy, Sklearn, Seaborn, Matplotlib and Random Forest*

- This project is focused on Exploratory Data Analysis and Machine Learning Model Training using Python. Here, we are analyzing different aspects of Diabetes in the Pima Indians tribe by doing Exploratory Data Analysis and building a classification Model.

### Education

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#### Post-Graduate Certificate in Business Intelligence and System Infrastructure

Jan, 2025 - present

Algonquin College, Ottawa, Ontario, Canada

- **Coursework:** Machine Learning 1: Fundamentals, Database Analytics, Data Engineering and Integration

#### Post-Graduate Certificate in Cyber Security Analysis - Algonquin College

Jan, 2024 - Aug, 2025

- GPA: 3.74/4

Ottawa, Ontario, Canada

- **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

- **Coursework:** Database Management Systems (DBMS), Web Development, Computer Networks

### Certification

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Python for Data Science and Machine Learning BootCamp, Microsoft Power BI Bootcamp,

LeetCode Top SQL 50 Badge, HackerRank Database SQL, PL 300