

## Nikhil Teotia

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### Profile Summary

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Detail-oriented data professional with 2 years of experience in data analysis, SQL development, and business intelligence. Proficient in Python and SQL with hands-on expertise in data science libraries such as Pandas, NumPy, and scikit-learn for building predictive models and automating workflows. Skilled in creating interactive dashboards using Power BI and Tableau to support data-driven decisions; certified in Power BI (PL-300). Experienced in data modeling, ERP-related database optimization, and solving advanced SQL challenges on HackerRank and LeetCode.

### Skills

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**Programming** Python, Java, SQL (MySQL, PostgreSQL), HTML, CSS, JavaScript, JSON

**Libraries:** pandas, NumPy, scikit-learn, Matplotlib, Seaborn

**Data Visualization:** Excel, PowerPoint, Power BI, Tableau, Alteryx

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

### Experience

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#### Junior Data Analyst

Noida, India

Stratosphere Pvt Limited

Nov 2021 – Oct 2023

- Built and optimized complex SQL queries to support data operations across ERP modules (HRMS, Payroll, Examination), ensuring timely and accurate backend processing for 3+ university clients.
- Improved query execution speed by 10 percent through indexing strategies, execution plan analysis, and query optimization, reducing load on the database during peak processing hours.
- Collaborated with cross-functional teams to support data migration and backend integration during ERP deployment phases, contributing to successful go-live for multiple institutional clients.

### Projects

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#### Credit Card Financial Dashboard - Power BI, Excel

- Developed an interactive Power BI dashboard analyzing data from 10,000+ credit card customers, enabling financial teams to identify high-risk segments and top revenue-generating groups—supporting a projected 15 percent improvement in targeted marketing efficiency and risk profiling.
- Performed data transformation using Power Query and DAX, delivering dynamic KPIs and visualizations that revealed payment behavior trends—such as 22 percent of Platinum cardholders contributing over 40 percent of total revenue—helping stakeholders optimize credit strategies and minimize default risk.

#### 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.
- Aligned report metrics with fund accounting standards, integrating trial balance calculations and NAV components for investor-facing analysis.

#### Diabetes-ML-Project - Python, NumPy, Pandas, Seaborn, Matplotlib, scikit-learn

- 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, 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

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