

# Lakshay Kumar

 lakshay53gms@gmail.com  8368561137  Delhi  linkedin.com/in/Lakshaykumar

## Profile

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Data Analyst skilled in Python, SQL, and Power BI with experience in data cleaning, visualization, and machine learning. Hands-on projects in dashboards and predictive models to generate actionable business insights

## Professional Experience

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### Data analyst intern, DRDO

05/2025 – 08/2025

- Worked on “**Malware Detection Using Machine Learning**” at **DESIDOC, DRDO**, focusing on data preprocessing and model development.
- Gained hands-on experience in **data analysis** for real-world datasets.

### Data analyst intern, IBM

07/2024 – 08/2024

- Led a team to collect, analyze, and visualize data for actionable business insights.
- Managed data analysis projects, ensuring timely delivery of reports and maintaining high data quality.

## Education

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### Bachelor of Computer Applications (BCA),

2022 – 2025

Vivekananda Institute of Professional Studies

### Senior Secondary School (CBSE), Commerce with Maths,

2020 – 2022

St. Marks Senior Secondary Public School

## Projects

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### Disease Prediction and Medicine Recommendation System

- Developed a healthcare application to predict diseases using machine learning.
- Implemented a recommendation system to suggest personalized medicines.
- Optimized frontend for intuitive navigation and accessibility.

### Customer Behavior Analysis

- Developed a **data analytics pipeline** to analyze customer shopping patterns using **Python, PostgreSQL, and Metabase**, uncovering key spending trends and product insights.
- Designed and executed **SQL queries and data models** in PostgreSQL to evaluate sales performance, discount effectiveness, and subscription impact on revenue.
- Deployed an **interactive business dashboard in Metabase** using **Docker**, enabling real-time visualization of customer behavior

### Sales Report Analysis

- Analyzed **ABC company's sales data** using **Excel and Google looker studio** to uncover revenue trends and top-performing products.
- Created **interactive dashboards** to visualize regional performance, customer segments, and monthly sales growth.
- Delivered insights that helped identify key revenue drivers and optimize sales strategies.

## Technical Skills

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**Programming Languages:** Python, SQL

**Databases:** PostgreSQL

**Data Analysis Tools:** Jupyter Notebook, MS Excel, VS Code

**Visualization Tools:** Google Looker Studio, Metabase

**Libraries & Frameworks:** NumPy, Pandas

**Web Development:** HTML, CSS

**Core Areas:** Data Cleaning, Data Processing, Data Visualization