

# SAHIL RAJPAL

+91-7905500657    [sahilrajpal790@gmail.com](mailto:sahilrajpal790@gmail.com)    [Sahil Rajpal](#)    [Sahil Rajpal](#)

## Education

National Institute of Technology, Agartala

2022 – 2026

Bachelor of Technology in Chemical Engineering

CGPA: 8.46

Premier Academy, Muzaffarpur

2020 – 2021

Senior Secondary (XII)

Percentage: 75.8

Premier Academy, Muzaffarpur

2019 – 2020

Secondary (X)

Percentage: 88.4

## Projects

Bank Loan Report Dashboard | ( Power BI , Excel , Power Query )

- Developed an interactive **dashboard** to track **38.6K+** loan applications, analyzing trends in funded amounts, interest rates, and debt-to-income ratios to enhance data-driven decision-making.
- Implemented **KPIs** to track Total Loan Applications, Funded Amount, Amount Received, Interest Rates, and Debt-to-Income Ratio (DTI), optimizing loan performance evaluation.
- Designed** and visualized loan trends using dynamic charts (line, bar, donut, and geo-maps) to identify patterns across state, employment length, loan purpose, and term length.
- Engineered a **classification system** to distinguish between Good Loans and Bad Loans, revealing insights into borrower behavior and repayment trends.

Blinkit Sales Analysis | ( Excel )

- Conducted** a comprehensive sales analysis using **Excel**, uncovering key drivers such as fat content, item type, outlet size, and location that influenced \$ 1.2M in total revenue.
- Designed** dynamic dashboards and visualizations (donut charts, bar graphs, funnel maps) to extract actionable insights, aiding in strategic decision-making for outlet optimization.
- Identified** that regular fat content items and large outlets in Tier 1 cities were top contributors to sales, offering valuable recommendations for product placement and expansion.

Customer Segmentation using K-Means | ( Python, Pandas, Scikit-learn, Machine Learning , Feature Engineering )

- Developed a customer segmentation pipeline using **K-Means** to cluster purchasing behavior, achieving **4 optimal segments** with a silhouette score of **0.41**.
- Executed **data cleaning, transformation, and feature engineering** (outlier handling, missing value imputation, and RFM metrics) to enhance dataset quality.
- Identified high-value customers, driving targeted strategies for improved retention and engagement.

## Achievements

- Earned **5-Star SQL Certification** on HackerRank demonstrating strong proficiency in database querying.
- Solved **50+ SQL problems** on LeetCode, enhancing problem-solving skills in complex database queries.
- Ranked in the **top 10** of department for 3 consecutive semesters.

## Technical Skills

**Languages:** Python , SQL

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn.

**Database:** MySQL , PostgreSQL

**Tools:** Git, VS Code, Jupyter Notebook, Ms-Excel, PowerBI.

**Others:** Data Cleaning , Data Visualization , Exploratory Data Analysis , Statistics , ETL , Data Warehousing , Machine Learning.

**Soft Skills:** Project management , Problem Solving , Stakeholder management.

## EXTRACURRICULAR

Consulting Club | Associate Member

Nov 2024 – Present

- Spearheaded outreach and marketing, driving 600+ registrations from 100+ institutions across India.
- Executed strategic campaigns that generated over 30,000 impressions on social media platforms.
- Collaborated with cross-functional teams to ensure seamless event planning and execution.

Team Anima | Treasurer

June 2023 – Present

- Led the execution of **5+ workshops** connecting alumni and students for knowledge-sharing and career guidance.