

SUMMARY

Continuous Learner with 4+ years of experience in healthcare data operations and predictive analytics. Expertise in Excel, Power BI, Python, SQL and statistical modelling to transform complex datasets into actionable insights for optimized decision making.

EDUCATION

Master of Operational Research (MOR)
Hindu College, University of Delhi; CGPA: 7
Relevant Coursework: Statistics & Econometrics Modeling, Financial Analytics, Marketing Research, Machine Learning

New Delhi, India

June 2023 – May 2025

Bachelor of Computer Application (BCA)
Mohyal Educational & Research Institute of Technology, IGNOU; CGPA: 7.2

New Delhi, India

June 2020 – May 2023

SKILLS & ABILITIES

- **Programming:**

Python (Pandas, NumPy, Seaborn, Scikit-Learn, Matplotlib), SQL, VBA

• **Tools/Software:**

MS-Excel Advanced, Power BI, Tableau, MS-Office, MySQL, GitHub, Canva

• **Analytics:**

Machine Learning, Predictive Modeling, A/B Testing, Data Cleaning & Wrangling, Data Visualization

• **Soft Skills:**

Problem-Solving, Stakeholder Management, Communication, Leadership, Critical-Thinking, Research

WORK EXPERIENCE

Research Team Lead – Data Operations | Max Healthcare | Saket, New Delhi | September 2019 – September 2023

• Collected, cleaned, and validated large-scale surveillance data using **Excel**, ensuring high data integrity through rigorous **QA/QC** and governance protocols.

• Designed and delivered monthly **Power BI** and Excel dashboards on data quality and performance, equipping central teams and funding stakeholders with actionable insights enabling data-driven operational solutions and strategic decisions.

• Developed **standardized Excel workflows** and reporting templates, improving data consistency and **reporting efficiency by 10%**.

• Streamlined field operations by troubleshooting data-related and technical challenges, contributing to a **5% cost reduction**.

• Managed secure data transfers to cloud servers and ensured timely data availability for analysis and reporting.

PROJECTS

A/B Testing & Ad Conversion Forecasting | Marketing Analytics

[View Project](#)

• Conducted A/B testing with t-statistics on 1,000+ daily ad records; identified Facebook ads delivered **28% higher conversions** than Google AdWords, leading to budget reallocation towards Facebook ads because of high-ROI channels.

• Identified ROI and correlation via EDA, identifying Facebook’s **28%** higher average conversion rate and superior ROI consistency.

• Forecasted ad conversions from clicks using a Linear Regression model (81.5% accuracy), enabling precise campaign planning and optimizing ad spend towards high-performing channels.

Credit Risk Assessment & Default Prediction

[View Project](#)

• Developed a Machine Learning Random Forest model (**92% accuracy**) to predict high risk borrowers, outperforming Logistic Regression by **17%** with attributes (Income, Home Ownership, Interest Rate).

• Performed Exploratory Data Analysis (EDA) on **32K** loan records, uncovering high default risk among renters with elevated loan-to-income (**correlation: 0.38**) and interest rates (**0.34**); insights validated using logistic regression coefficients and charts.

• Reduced **potential defaults by 48%** by rejecting the top 10% riskiest loans (identified via Random Forest), while maintaining a low false-alarm rate (4% FP vs. 27% in Logistic Regression), resolved 22% class imbalance using **RandomOverSampler**.

Sales Report Dashboard

[View Project](#)

• Developed interactive Power BI dashboards with visualizations showcasing daily/monthly order **trends**, Sales by category/size, and **top 5 / bottom 5** performing pizzas, validated with SQL Query.

• Identified the top 5 best-selling pizzas, contributing to **\$20M** in sales, and achieved **13.2%** month-over-month sales.

• Performed ETL and EDA using **DAX Query** and built KPIs to provide end-to-end business intelligence solutions.

CERTIFICATES

Introduction to Data Science – Cisco (Issued : 2025) | [Certificate](#)

Data Analytics Essentials – Cisco (Issued : 2025) | [Certificate](#)

Python Basic – HackerRank (Issued: 2024) | [Certificate](#)

Bioinformatics for biologists- an intro Linux, bash Scripting and R - FutureLearn (Issued: 2021) | [Certificate](#)