

# Rahul Arya

LinkedIn: [www.linkedin.com/in/rahularya271](https://www.linkedin.com/in/rahularya271)

Portfolio: <https://imdeadlock.github.io/portfolio/>

Email: [rahularya271@gmail.com](mailto:rahularya271@gmail.com)

Phone: +919560667147

New Delhi, India

---

## SUMMARY

Analytical and detail-oriented professional with over 4 years of experience in healthcare data operations. Skilled in Python, SQL, Excel, and Power BI, with expertise in statistical modeling, optimization, machine learning, data analytics and storytelling.

---

## EDUCATION

Hindu College, University of Delhi

Master of Operational Research; CGPA: 7

Relevant Coursework: Optimization Techniques, Statistical Modeling, Data Analytics

New Delhi, India

June 2023 – May 2025

Indira Gandhi National Open University (IGNOU)

Bachelor of Computer Application; CGPA: 7.2

New Delhi, India

June 2020 – May 2023

---

## SKILLS

- **Technical Skills:** Python (Pandas, NumPy, Seaborn, Scikit-Learn), SQL
- **Tools:** MS-Excel, Power BI, Tableau, MS-Office, MySQL, Jupyter Notebook, VS Code
- **Soft Skills:** Communication, Problem-solving, Critical Thinking, Leadership

---

## WORK EXPERIENCE

Research Team Leader | Max Healthcare | Saket, New Delhi

Dec 2020 – Sep 2023

- Led **data collection, cleaning and validation** for large-scale Non-Communicable Disease (NCD) surveillance project
- Built and maintained **strong relationships** with **researchers and participants** to enhance **data accuracy** in studies.
- Coordinated across teams to deliver **optimal solutions** to get insights for real-time decision-making
- Developed **standardized workflows, improved 10% data consistency** and **reporting efficiency**.
- Streamlined field operations by **troubleshooting technical** and **logistical challenges, reducing cost by 5%**.

Research Technician | Max Healthcare | Saket, New Delhi

Sep 2019 – Dec 2020

- Maintained **high-quality data collection** ensuring data integrity and governance through rigorous **QC/QA processes**.
- Managed **data transfer** to cloud servers, Oversaw **inventory** and **stock supplies**.
- Provided support on **data collection** tools and ensured 100% compliance with **data governance** practices.

---

## PROJECTS

Medical Insurance Price Prediction

[Project Link](#)

- Predicted the **Price of Medical Insurance** based on attributes like **Age, BMI & Smoker** using **Linear Regression Model**.
- Applied **Supervised Machine Learning** Performed **Data Transformation** and **Exploratory Data Analysis (EDA)**.
- Plotted **pair-plot** and **heat-map** for correlation of columns for **feature selection** of **explanatory variables** and found there is a **correlation of 79% between smoker and charges**.
- Achieved an **R-Squared value of 80%**, enabling better premium forecasting strategies.

Customer Churn Prediction

[Project Link](#)

- Predicted **customer churn** for Telecom Company based on attributes like **Contract, Tenure, and Monthly Charges** with **Logistic Regression** and **Random Forest**.
- Plotted **bar-charts** and **correlation heatmaps** and found **Tenure & Churn** had **Strong Negative Correlation (-0.35)**.
- Addressed **class imbalance** via **RandomOverSampler** improving **minority-class recall** and achieved **77% prediction accuracy** with **Logistic Regression** improved **accuracy to 83%** using ensemble method; Random Forest.

Pizza Sales Report

- 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 Queries**.
- 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 Queries** and **KPIs** to provide end-to-end business intelligence solutions.

---

## CERTIFICATES

Introduction to Data Science (Cisco Networking Academy) | [Certificate](#)

Data Analytics Essentials (Cisco Networking Academy) | [Certificate](#)

Python Basic (HackerRank) | [Certificate](#)