

Summary

Detail-oriented Data Analyst currently pursuing an MCA, with hands-on experience in Python and SQL-based data analysis. Proficient in data cleaning, data transformation, exploratory data analysis (EDA), data modeling, and KPI computation using Pandas, NumPy, and relational databases. Experienced in writing analytical SQL queries and applying statistical techniques to identify patterns and trends in structured data. Skilled in translating analytical results into actionable insights through Power BI and Tableau dashboards, with strong problem-solving skills and a focus on real-world, data-driven business challenges.

EDUCATION

Postgraduate Program in Data Science and Analytics Imarticus Learning	Present
Master of Computer Applications (MCA) Rajasthan University	2024-present
Bachelor of Computer Applications (BCA) Maharani College	2021 – 2024

SKILLS

Data Analysis & Visualization: Python, Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Data Wrangling, Data Cleaning, Exploratory Data Analysis (EDA)
Databases & Big Data: SQL (Joins, CTEs, Subqueries), Hadoop, Hive, Spark, AWS, ETL Pipelines.
Machine Learning: Supervised Learning, Unsupervised Learning, Regression, Classification, Clustering.
Statistics: Hypothesis Testing, ANOVA, Correlation, Inferential Statistics, Descriptive Statistics.
Tools & Platforms: Jupyter Notebook, GitHub, Tableau Public, Power BI Desktop.
Soft Skills: Problem-solving, Communication, Teamwork.

PROJECTS

Customer Churn Prediction in E-commerce | Python, Pandas, Scikit-learn ⭐

- Analyzed a **50,000-record e-commerce dataset (25 features)** and conducted EDA to evaluate feature distributions, correlations, churn imbalance, and customer behavior patterns.
- Built a **data preprocessing pipeline** covering missing value handling, categorical encoding, feature transformation, scaling, and feature engineering for model readiness.
- Implemented a **40K–10K train–test split**, ensuring data integrity and preventing leakage during model evaluation.
- Developed and compared classification models (Logistic Regression, KNN, Random Forest, AdaBoost, Gradient Boosting) using **accuracy, precision, recall, F1-score, and confusion matrix**, prioritizing recall for churn-risk detection.
- Performed **correlation and trend analysis** to identify key churn drivers (tenure, billing behavior, service engagement). Selected **tuned Gradient Boosting** for its strong precision–recall balance and stable performance.

Cybersecurity Incident Management Analysis | SQL, Power BI ⭐

- Built an end-to-end cybersecurity analytics solution by integrating incident, attacker, impact, response, and user datasets, using SQL-based data modeling and transformations.
- Evaluated **42K+ incidents** to identify attack patterns, high-risk attack vectors and users, incident severity trends, and business impact metrics including financial loss and downtime.
- Developed **five interactive Power BI dashboards** (Incident, Attacker, Impact, Response, User) to visualize security risks, KPIs, and incident response performance.
- Analyzed incident severity, attack patterns, affected users, and impact metrics to identify high-risk areas and support data-driven cybersecurity risk assessment.

ACHIEVEMENTS

- Deloitte - Data Analytics Job Simulation
- Web Development Certification Program