ARPIT RAJAK

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PROFESSIONAL SUMMARY

Data Analyst with an MCA in Data Science Visualization and practical experience in Python, SQL, Power BI, and Excel. Through internships and projects, I've analyzed customer behavior, industry trends, and business metrics, focusing on clear insights and impactful visualizations.

EDUCATION

Master of Computer Applications (MCA) – Data Science & Visualization *2022 – 2024*
LNCT Group of Colleges, Indore, MP
Bachelor of Computer Applications (BCA) – Computer Programming *2018 – 2020*
Indira Gandhi National Tribal University, Amarkantak, MP

TECHNICAL SKILLS

Programming & Analytics: Python (Pandas, NumPy, Scikit-learn), SQL (MySQL, PostgreSQL), Excel (Pivot Tables, VLOOKUP, Advanced Formulas)
Visualization & BI: Power BI, Matplotlib, Seaborn, Interactive Dashboards, KPI Development
Core Competencies: Data Cleaning, EDA, Statistical Analysis, Predictive Modeling,
Tools & Platforms: Git, Jupyter Notebook, VS Code, Data Warehousing Concepts

PROFESSIONAL EXPERIENCE

Data Science Intern | International Institute of SDGs and Public Policy Research *Jul 2025 – Sep 2025*

- Conducted comparative analysis of semiconductor industries across India, China, and Dubai, examining trade patterns, talent distribution, and industrial policies using Python and Excel
- Performed data cleaning and validation on 10,000+ records, ensuring 98% data accuracy for analytical modeling
- Created visualizations and structured reports highlighting market trends, supporting strategic policy recommendations

Data Analyst Intern | Cognifyz Technologies *Apr 2025 – May 2025*

- Analyzed restaurant operations dataset to identify customer preferences, ordering patterns,
- Executed end-to-end EDA pipeline using Python (Pandas, NumPy), uncovering 15+ key operational insights
- Designed data visualizations with Matplotlib and Seaborn.
- Optimized SQL queries for faster data retrieval, reducing analysis time by 30%

KEY PROJECTS

Loan Default Risk Analysis | (Python, Pandas, Scikit-learn)

- Built predictive model to identify loan default risk factors using logistic regression and decision trees
- Analyzed 50,000+ loan records, achieving 82% model accuracy in predicting default probability
- Identified top 5 risk indicators including credit score, debt-to-income ratio, and employment history

Crime Data Analysis Dashboard | (Python, SQL, Tableau)

- Cleaned and queried crime datasets using SQL to analyze trends by region, crime type, and temporal patterns
- Discovered 40% increase in specific crime categories during peak months through time-series analysis
- Developed interactive dashboard enabling law enforcement to filter data by multiple dimensions

HR Analytics Dashboard | (Power BI, Excel)

- Designed comprehensive Power BI dashboard analyzing workforce demographics, attrition rates, and performance metrics
- Created 12+ interactive KPIs providing real-time insights into employee retention and departmental performance
- Identified attrition patterns saving potential recruitment costs through proactive retention strategies