ADITI RAWAT

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SKILLS

- **Power Bi for data visualization**
- **Data Analysis**
- **MySQL, PostgreSQL**
- **Excel, Power Query, Pivot tables**

- **Machine Learning and Deep Learning**
- **Basics of ELT, ETL processes**
- **Python programming and R basics**

EXPERIENCE

Ecocapita Consulting |Bhopal, Madhya Pradesh/India   Feb 2022 – Dec 2023
Data Analyst (Software Trainee)

- Reviewed a single plant's diesel-generator logs in **Python**, uncovered **6%** idle runtime, and set a timed shutdown that cut ~120t CO_2 and saved ₹4 L each year.
- Designed and deployed interactive **Power BI** dashboards that tracked revenue, client engagement, operational **KPIs** and a GHG-baseline view for three plants, slashing manual reporting effort by **60%** and giving customer real-time decision support.
- Leveraged **SQL, Python**, and **Power BI** to cluster 15-min meter and production data to tariff blocks, shifted non-critical processes to off-peak hours, that cuts energy use by **20%** and reduced CO_2 consumption.

JNCT College| Bhopal, Madhya Pradesh/India   Jan 2021 – Feb 2022
Assistant Professor

- Led and taught **Python, Machine Learning,** and **OOP's** courses to the Undergraduate and Graduate students of CSE and ML departments.
- Initiated the efforts to personally gather and manage 2000+ students' monthly performance data using **Excel pivot tables, Power Query, and advanced formulas to transform raw data into actionable insights.**
- **Analyzed and presented** the findings to the college management. This helped increase the overall performance of the students **by 6%**. Developed automated reports and **dashboards** to visualize student performance metrics.

MPC| Bhopal, Madhya Pradesh /India   July 2017 – Jan 2018
Assistant Professor

- Taught object-oriented programming concepts and software engineering to students of the CSE department.
- Guided students through **real-world data-driven web projects**, including **database design** and implementation.

EDUCATION

Kent State University, Kent State |Kent, OH   Graduated May 2025
Master of Science| Specialization: Business Analytics
Relevant Courses: Business Analysis, Data Visualization, Advance Data Mining and Predictive Analysis

Jayoti Vidyapeeth Women's University |Jaipur, Rajasthan/ India   Graduated Dec 2020
Master of Technology| Specialization: Machine Learning

Rajiv Gandhi Proudyogiki Vishwavidyalaya (R.G.P.V) |Bhopal, Madhya Pradesh/India   Graduated May 2017
Bachelor of Engineering | Majors: Computer Science and Engineering

ANALYTICS PROJECTS

- **Credit Card Customer & Transaction Analysis**| **Self-Initiated**   April 2025

  Designed **Power BI dashboards** and **PostgreSQL** databases to analyze customer profiles, satisfaction, and transactions. Used SQL and Excel for **data wrangling** and real-time **KPI tracking** to drive business intelligence.

  Link: https://github.com/aditi2495/Credit-Card-Financial-Dashboard

- **Data Analysis using SQL | Self-Initiated**   March 2025
  Built and analyzed a retail sales database in MySQL. Performed data cleaning, feature engineering, and advanced SQL queries for product performance, customer segmentation, and revenue insights to support data-driven decisions.
  Link: https://github.com/aditi2495/Sales-Data-Analysis

- **Capstone Project | Kent State University**   May 2024 – July 2024
  Water Quality Analysis
  Analyzed 3,276 water samples using R; performed feature selection, data visualization, and classification modeling (**Decision Tree, Random Forest, SVM ,XGBoost**) .Identified key predictors (pH, hardness, chloramines) and achieved 71% accuracy with SVM (F1-score: 0.79).**Link:** https://github.com/aditi2495/Water-Quality-Prediction/tree/main

CERTIFICATES

1. **Advanced MYSQL for Data Analysis - "Analyst Builder"**   Issued May 2025
2. **Microsoft Power BI Desktop for Business Intelligence - "Analyst Builder"**   Issued May 2025
3. **Data Science Intern by TwiLearn - "EdutTech".**   Issued Feb 2023
4. **Data Analysis with Python - "Coursera"**   Issued Oct 2022
5. **Microsoft Excel Masterclass - Basic to Advanced Level**   Issued Jan 2022
   - **"Learn With Lokesh Lalwani"**