Tapash Sutradhar

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Aspiring Data Analyst with a strong engineering foundation and hands-on experience in **Python, SQL, and BI tools**. Skilled at **analyzing and visualizing large datasets** to deliver actionable **insights** that support data-driven **business decisions**. Eager to apply analytical, mathematical, and technical skills to solve real-world problems.

Education

Bengal Institute of Technology and Management, Kolkata — *B.Tech*

June 2019 - July 2023

Bachelor of Technology in Electrical Engineering | **9.17 GPA**

Courses: Statistics, JAVA, SQL, Programming Fundamentals, Data Structure & Algorithm, Computer network & Security, AI and Machine Learning

Skills

Programming	Python, R, Java, SQL, Excel VBA Macros
Visualization	Tableau, Power BI, Looker, Excel (Pivot Tables, Charts, Macros), Jupyter Notebook
Database	MySQL, MongoDB, Oracle
Libraries	NumPy, Matplotlib, Seaborn, Pandas, Scikit-learn (basic)
Core Skills:	Data Cleaning, Data Visualization, Exploratory Data Analysis (EDA), Business Intelligence, Statistical Analysis, Reporting, Dashboard, ETL & Reporting
Soft Skills	Communication, Presentation, Storytelling

Internship and Training

InnoByte Services, New Delhi - *Data Analyst Intern*

July 2025 - Present

- Collected, cleaned, and analyzed datasets using **Python (Pandas, NumPy), APIs** and **SQL** to extract insights.
- Designed **Tableau/Power BI dashboards** (Sales & Churn) reducing manual analysis time by **40%**.
- Automated Excel reports, Conducted **EDA & visualizations** with **Matplotlib/Seaborn** for business storytelling.
- Gained hands-on experience with the **end-to-end data analysis workflow** : data collection → cleaning → visualization → dashboarding → reporting.

WBSETCL, Kolkata – *Data Engineer*

July 2024 – June 2025

- Collected and analyzed sensor/energy data for efficiency improvement.
- Built predictive models using Excel and MATLAB to identify performance trends
- Applied quantitative analysis and problem-solving skills to technical engineering challenges

Zidio Development Ltd, Bangalore - *Data Analyst Intern*

March 2024 - July 2025

- Prepared various BI dashboards in **Tableau** for month on month insurance business reports .
- Automated classification of healthcare documents using **Python (Tesseract + Regex)**, improving SLA compliance.
- Built Tableau dashboards for month-on-month insurance reports used by business teams.
- Conducted insurance claims analysis with **Excel (VLOOKUP, Chi-square, Normal, T-distribution)** and Python.

Q and J Spider

Oct 2023 - Aug 2024

- Data Science, Software Development and Testing (Training)

Academic Projects

Bank Loan Default Risk Analysis [Python | SQL | PowerBI]

- Built ML models (**Logistic Regression, Random Forest, Decision Tree**) with **82% accuracy** in predicting defaults.
- Performed **EDA** using Python & SQL to identify key risk drivers (income, debt-to-income, previous defaults).
- Designed a **Power BI dashboard** for risk segmentation, cutting manual assessment time by **35%**.

Customer Churn Prediction, Segmentation [Python + ML + Clustering | SQL]

- Segmented e-commerce customers based on purchase behavior using **unsupervised learning**.
- Applied **K-Means, PCA** for dimensionality reduction and visualized clusters for actionable **business insights**.
- Built logistic **regression & clustering** models to predict churn visualized key drivers affecting customer retention.

HR Analytics Dashboard [Excel | Power BI]

- Prepared data model for above database and ingested these csv files into **MySQL** database.
- Used **Power BI** to Create visual dashboards, salary trends, and workforce demographics to support HR strategy.
- Develop service data into **excel** and plotted **pie charts, bar charts** for demographic breakdown etc.

E-commerce Data Analysis and Sales Forecasting [Python + ML]

- Processed 10,000+ records from Kaigle using ETL (cleaning, normalization, outlier removal) using **python**, **jupyter notebook.**
- Developed predictive models (time-series) using Linear **Regression, ARIMA** models for sales forecasting.
- Identified top-performing products (product based on reviews, order, search, customer behavior & revenue trends) by **Excel (VBA, pivot tables)** with customer behavior analysis.

Certifications and Courses

- IBM professional data science certification
- Google professional data analytics certification
- Python for data science — *Coursera*
- Machine Learning – *Andrew Ng*
- Agile Project Management Fundamentals – *Harvard*