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I am a detail-oriented and analytical Data Analyst with a passion for transforming data into actionable insights. Skilled in data cleaning, visualization, and interpretation, I thrive on solving complex problems and helping organizations make data-driven decisions.

## EDUCATION

BENGAL INSTITUTE OF TECHNOLOGY  
BACHELORS IN COMPUTER SCIENCE AND ENGINEERING

KOLKATA, WEST BENGAL  
June 2022 - 2026(expected)

## SKILLS SUMMARY

- **Languages:** Python, SQL, C++, C
- **Core subjects:** Operating Systems, Computer Networks, Database Management System, Data Structures and Algorithms
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn
- **Tools:** Power BI, Excel, PowerPoint, MySQL, MS SQL Server
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** Communication Skills, Collaboration and Teamwork, Active Listening, Time Management

## PROJECTS

### Banking-Domain-Risk-Analysis | [LINK](#)

- Conducted **exploratory data analysis (EDA)** on a banking dataset using Python to identify customer risk patterns and financial behavior insights. Load dataset & create a database in **MySQL** and then Fetch dataset from **MySQL** in **Jupyter Notebook** using **pymysql connector**.
- Developed an interactive **Power BI dashboard** to visualize credit card balances, income, loans & account activity for different customer segments.
- Designed a **comprehensive risk analysis framework** integrating **Python** and **Power BI** to support data-driven decision-making in the banking domain.

### Diwali-Sales-Analysis | [LINK](#)

- Cleaned and processed 11K+ rows of retail transaction data for sales insights.
- Performed in-depth **EDA** using **Python**: identified top-performing states, user segments, and product categories
- I Built an interactive **Power BI dashboard** to visualize zone-wise sales, user demographics, and revenue patterns .
- Analyzed purchase behavior by age group, gender, and occupation to support business **decision-making**.

### Flight Price prediction EDA | [LINK](#)

- Performed **data cleaning**, **feature engineering**, and transformation on airline ticket data to prepare it for predictive modeling.
- Applied **Label encoding**, **one-hot encoding**, and **skewness treatment** to handle categorical and non-normal features effectively.

## CERTIFICATES

Python 101 for Data Science | [CERTIFICATE](#)

July 2025

SQL and Relational Databases 101 | [CERTIFICATE](#)

July 2025

## CODING PROFILE

Leetcode: [asmit\\_swarnakar - LeetCode Profile](#)HackerRank: <https://www.hackerrank.com/profile/asmitwarnakar71>