

# PARTHA DEY

Kolkata, West Bengal, India

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[Github Profile](#)

## SUMMARY

Data Analyst with a strong foundation in data analysis and a passion for uncovering insights through exploratory data analysis. Completed several projects focused on analyzing data sets to identify trends, patterns, and opportunities for optimization. Eager to leverage analytical skills in a dynamic environment to support data-driven decision-making and uncover valuable business insights.

## EDUCATION

### Brainware University

Master of Computer Applications

• GPA: 8.33/10.0

Aug 2023 - Jul 2025

Kolkata, West Bengal, India

### Narula Institute of Technology

Bachelor of Technology, Civil Engineering

• GPA: 7.46/10.0

Sep 2018 - Jun 2021

Kolkata, West Bengal, India

## SKILLS

- **Programming Languages:** Python, SQL
- **Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, BeautifulSoup, Seaborn
- **Tools:** PowerBI(DAX & Power Query), Advanced Excel, MySQL, PostgreSQL, AWS(EC2, S3, Lambda)
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- **Analytical Skills:** Data Analysis, Business Intelligence, Machine Learning, Data Visualization, Data Manipulation, Data Storytelling
- **Soft Skills:** Strong Stakeholder Management, Excellent Communication, People Management, Self-Discipline, Proactive mindset

## EXPERIENCE / INTERNSHIP

### Brainwave Matrix Solutions

Data Analytics Intern

Mar 2025 - May 2025

Noida, Uttar Pradesh, India (Remote)

- Developed and deployed predictive analytics models using Python and SQL, resulting in a 10% reduction in inventory costs.
- Led comprehensive data analysis across 10+ product categories using Power BI and Excel, achieving 15% improvement in reporting efficiency.
- Performed customer segmentation and sales forecasting using SQL and Excel analytics, enhancing targeted marketing strategies and customer engagement.
- Mentored team members and created detailed documentation for analytics processes, improving team productivity and project consistency.

## PERSONAL PROJECTS

### Diwali Sales Analysis & Dashboard | <https://github.com/Parthadee/Diwali-Sales-Analysis-Prediction>

Apr 2025 - May 2025

- Performed exploratory data analysis on Diwali sales data to identify customer segments and top-selling products, generating actionable business insights.
- Created an interactive Power BI dashboard to support revenue growth and inventory management strategies.
- Data cleaning and visualization techniques were implemented using Pandas, Seaborn, and Matplotlib.

### Twitter Tone Analyzer | <https://github.com/Parthadee/Social-Media-Sentiment-Analysis>

Mar 2025 - Apr 2025

- Developed a real-time sentiment analysis system for social media data using Python with Pandas and NumPy for data processing.
- Created interactive sentiment analysis dashboards in Power BI with dynamic visualizations using Matplotlib and Seaborn.
- Delivered actionable insights on customer sentiment trends to support marketing strategies and brand reputation management.

### Research in Heart Disease Prediction Using AI | <https://github.com/Parthadee/Disease-Analyzing.git>

Aug 2024 - Jan 2025

- Created a Random Forest classifier in Python to predict heart disease from clinical data with 93% accuracy.
- Use Power BI dashboards to visualize predictions and key health indicators.
- Early diagnosis insights have been made available to help with healthcare interventions.

## CERTIFICATIONS

- **Mastering Machine Learning (Feb, 2025):** Advanced training in machine learning techniques and their applications
- **Data Analyst Certification (May, 2025):** Certifies proficiency in data analysis tools and methodologies

## Languages

- English (Proficient)