

# PARTHA DEY

Kolkata, West Bengal, India

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## OBJECTIVE

Self-motivated Data Analyst with a strong foundation in Python, SQL, and Power BI. Passionate about data analytics, ETL processes, and creating data-driven insights. Experience in data visualization, dashboard creation, and data manipulation using industry-standard tools. Adept at collaborating with teams to develop analytics solutions that drive business decisions.

## WORK EXPERIENCE

- Brainwave Matrix Solutions** | *Data Science/Data Analytics Internship* **Mar 2025 - Present**
- Designed and implemented ETL processes using Python and SQL to clean and transform raw data for analytics.
  - Developed interactive dashboards in Power BI to visualize key business metrics and trends.
  - Conducted exploratory data analysis (EDA) to uncover insights, patterns, and anomalies within datasets.
  - Assisted in data validation and quality assurance to ensure data integrity.
  - Documented analytics workflows and findings to support knowledge sharing, streamlining team collaboration and improving project continuity.
- WebGuru Infosystems** | *AWS Solution Architect Internship* **Nov 2024 - Feb 2025**
- Designed scalable cloud architectures on AWS, ensuring efficient resource utilization, which improved system performance and reduced operational costs.
  - Optimized data storage solutions, enhancing query performance for analytics workloads, leading to faster data retrieval and analysis.
  - Assisted in cost estimation and architecture documentation using AWS tools, contributing to more accurate budgeting and comprehensive project records.
- JSpiders - Training & Development Center** | *Java Full Stack Development Trainee* **Feb 2022 - Apr 2023**
- Improved decision-making efficiency by 15% by designing optimized analytics workflows with cross-functional teams.
  - Developed software applications using best practices in software engineering, gaining hands-on experience with end-to-end development and improving project delivery efficiency.

## EDUCATION

- Brainware University** **Aug 2023 - Present**  
*Master of Computer Application* (GPA: 8.32/10)  
Kolkata, West Bengal
- Narula Institute of Technology** **Aug 2018 - Jul 2021**  
*Bachelor of Technology, Civil Engineering* (GPA: 7.64/10)  
Kolkata, West Bengal
- Narula Institute of Technology** **Aug 2015 - Jul 2018**  
*Diploma in Engineering, Civil Engineering* (GPA: 7.0/10)  
Kolkata, West Bengal

## PROJECTS

- Diwali Sales Prediction** **Feb 2025**  
<https://github.com/Parthadee/Diwali-Sales-Analysis-Prediction.git>
- Performed data extraction, cleaning, and transformation (ETL) using Python and SQL.
  - Created an interactive Power BI dashboard to track top buyers, best-selling products, and sales trends.
  - Implemented predictive analytics techniques to optimize sales strategies.
- Research in AI IN HEALTHCARE OF HEART DISEASE** **Dec 2024 - 2025**  
<https://github.com/Parthadee/AI-in-Healthcare-of-Heart-Disease.git>
- Developed a machine learning model achieving 89.4% accuracy in predicting heart disease using the UCI dataset.
  - Used Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn) for data preprocessing, model building, and visualization.

## SKILLS

- Programming & Scripting:** Python, SQL
- Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn
- Data Visualization:** Microsoft PowerBI, Tableau, Alteryx
- Spreadsheet Software:** Excel, VBA
- Cloud:** AWS (EC2, S3, Lambda, Elastic Beanstalk)
- Operating System :** Windows, macOS, Linux Operating System
- Behavioral Skills:** Leadership, Team player, Adaptability, Problem-solving, Strong Analytical Reasoning, Strong Communication

## CERTIFICATIONS

- Data Analytics Certification (2024):** Gained proficiency in data visualization and analytics using PowerBI and Excel.  
Link: [https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=drive\\_link](https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=drive_link)
- SQL Certification (2023):** Advanced understanding of database management and query optimization.  
Link: [https://drive.google.com/file/d/1isk0jYL3hatY03ZlgvyqBSJJUKEjMJxk/view?usp=drive\\_link](https://drive.google.com/file/d/1isk0jYL3hatY03ZlgvyqBSJJUKEjMJxk/view?usp=drive_link)
- AWS Solutions Architecture Certificate:** Gained proficiency in cloud architecture, AWS services, and scalable solutions design.  
Link: [https://drive.google.com/file/d/1Dn2-1euqg3r7P6bk-cplDIK9Bsw0989z/view?usp=drive\\_link](https://drive.google.com/file/d/1Dn2-1euqg3r7P6bk-cplDIK9Bsw0989z/view?usp=drive_link)