

PARTHA DEY

Kolkata, West Bengal, India

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OBJECTIVE

Self-motivated Business/Data Analyst with a strong foundation in data analysis, workforce metrics, and Excel-based reporting. Eager to contribute to headcount forecasting, stakeholder reporting, and process improvements in a dynamic team environment like HSBC.

WORK EXPERIENCE

Brainwave Matrix Solutions

Data Science & Analytics Intern

Feb 2025 - Present

Noida, Uttar Pradesh, India

- Conducted secondary research and data validation using Python and Excel for ETL pipeline testing.
- Developed interactive Power BI dashboards to visualize operational KPIs for business stakeholders.
- Automated data preprocessing workflows using Pandas and NumPy to increase efficiency by 30%.
- Worked in an Agile environment, participating in sprint planning and code reviews.

WebGuru Infosystems

AWS Solution Architect Internship

Nov 2024 - Feb 2025

Kolkata, West Bengal, India

- Migrated data from on-premise systems to AWS S3 with focus on accuracy and data compliance.
- Deployed AI-based solutions using AWS EC2, Lambda, and Elastic Beanstalk.
- Conducted unit tests on cloud deployments to validate scalability and architecture standards.

PROJECTS

Diwali Sales Prediction

<https://github.com/Parthadee/Diwali-Sales-Analysis-Prediction.git>

Feb 2025 - Apr 2025

Noida, Uttar Pradesh, India

- Developed interactive dashboards using Power BI and Excel to support headcount and KPI tracking for business stakeholders
- Supported resource and workforce planning processes with insights derived from data visualization and automation.
- Provided actionable insights through predictive modeling to support business growth.

Research in Heart Disease Prediction Using AI (Computer Vision)

<https://github.com/Parthadee/AI-in-Healthcare-of-Heart-Disease.git>

Aug 2024 - Jan 2025

Kolkata, West Bengal, India

- Built machine learning models using Scikit-learn and PyTorch with 89.4% accuracy.
- Used Python (Pandas, NumPy, Matplotlib, Seaborn) for data preprocessing and visualization.
- Validated AI model performance through statistical analysis and data visualization for pattern recognition.

SKILLS

- **Programming:** Python, PyTorch, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn
- **Business Analyst Tools:** MS Excel (Advanced), PowerPoint, Power BI, Word, SQL, Alteryx (Learning)
- **Data & Workforce Skills:** Headcount Analysis (academic exposure), ETL Testing, Data Visualization, Forecasting, Reporting
- **Soft Skills:** Stakeholder Communication, Problem-solving, Team Collaboration, Agile Methodology

EDUCATION

Brainware University

Master of Computer Application

Aug 2023 - Present

Kolkata, West Bengal, India

- **GPA:** 8.32/10

Narula Institute of Technology

Bachelor of Technology, Civil Engineering

Aug 2018 - Jul 2021

Kolkata, West Bengal, India

- **GPA:** 7.64/10

Narula Institute of Technology

Diploma in Engineering, Civil Engineering

Sep 2015 - Sep 2018

Kolkata, West Bengal, India

- **GPA:** 7.0/10

CERTIFICATIONS

- **Data Analytics Certification:** Gained proficiency in data visualization and analytics using PowerBI and Excel.
Link: https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=drive_link
- **SQL Certification:** Advanced understanding of database management and query optimization.
Link: https://drive.google.com/file/d/1isk0jYL3hatY03ZIGvyqBSJJUKejMJxk/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