

PARTHA DEY

Kolkata, West Bengal, India

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OBJECTIVE

Detail-oriented and self-motivated data and research analyst with a strong foundation in Python, SQL, and Power BI. Skilled in interpreting client organizational structures, conducting secondary research using internal and external databases, and ensuring compliance with policies. Experienced in data cleaning, ETL testing, and dashboard creation. Strong analytical and communication skills with an inclusive, client-centric mindset.

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%.
- Collaborated in Agile sprints; ensured timely communication and project status reporting.

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.

SKILLS

- **Technical Skills:** Python, PyTorch, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, SQL, VBA, Advance Excel, PowerBI, Alteryx (Learning), AWS(EC2, S3, Lambda, Elastic Beanstalk)
- **Research Tools:** Capital IQ (basic), Factiva (basic), SharePoint
- **Management Skills:** Leadership, Team Management, Communication Skills, Problem-solving, Project Management
- **Other Skills:** Data Cleaning, ETL Testing, Data Visualization, Secondary Research, Predictive Analytics, Agile Collaboration

PROJECTS

Diwali Sales Prediction

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

Feb 2025 - Apr 2025

Noida, Uttar Pradesh, India

- Designed ETL pipeline using Python and SQL to support data-driven marketing strategy.
- Performed automated validation and testing to ensure dashboard data integrity in Power BI.
- 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.
- Applied data visualization libraries for statistical analysis and pattern recognition.

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