

PARTHA DEY

Kolkata, West Bengal, India

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OBJECTIVE

Final-year Master of Computer Application (MCA) student at Brainware University, passionate about leveraging data, technology, and user-centric design to build innovative solutions. Eager to apply academic knowledge and hands-on skills to create meaningful impact through data-driven and technology enabled approaches. Actively seeking opportunities to contribute to projects that combine creativity, usability, and impactful results.

WORK EXPERIENCE

Brainwave Matrix Solutions

Data Science & Analytics Intern

Mar 2025 - May 2025

Noida, Uttar Pradesh, India (Remote)

- 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 Pvt. Ltd.

AWS Solution Architect Internship

Nov 2024 - Jan 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

Feb 2025 - Apr 2025

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

- 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)

Aug 2024 - Jan 2025

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

- Built predictive models using Scikit-learn and PyTorch with 89.4% accuracy.
- Explored deep learning classification techniques using PyTorch for computer vision-based health analysis.
- Used Python (Pandas, NumPy, Matplotlib, Seaborn) for feature engineering and model visualization.
- Validated performance using cross-validation, ROC-AUC metrics, and model explainability.

SKILLS

- **Technical Skills:** Python, Libraries (Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn), SQL (MySQL, PostgreSQL, MongoDB), PowerBI, Alteryx, Advance Excel, VBA, AWS (EC2, S3, Lambda, Elastic Beanstalk), Operating System
- **Data Management & Insights:** Data Cleaning, ETL Testing, Data Visualization, Descriptive & Predictive Analytics
- **Soft Skills:** Leadership, Team Management, Communication Skills, Problem-solving, Project Management

EDUCATION

Brainware University

Master of Computer Application

Aug 2023 - Present

Kolkata, West Bengal, India

- GPA: 8.42/10

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/14dUKS1jTwuHpmJNcp5WgeLc1IO8k2tLi/view?usp=drive_link
- **SQL Certification:** Advanced understanding of database management and query optimization.
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/1GXKNqjGXxqUqDPna2a2LDgIb2E21eXEc/view?usp=sharing>