



PARTHA DEY

SUMMARY

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.

CONTACTS

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SKILLS

Technical Skills

Python (Pandas · Numpy · Matplotlib · Seaborn · Scikit-learn) · SQL (MySQL · PostgreSQL) · Microsoft Power BI · Advance Excel · Alteryx · Operating System (Windows · Linux)

Data Management & Insights

ETL Testing · Data Manipulation · Data Cleaning · Data Visualization · Descriptive Analytics · Predictive Analytics

Soft Skills

Strong Communication · Eagerness to learn · Team Collaboration · Problem-Solving · Adaptability · Time Management

CERTIFICATIONS/COURSEWORK

- Mastering Machine Learning (Feb, 2025)**
Link:
<https://drive.google.com/file/d/1gh3lFQnFjPxaza-HgtAQWGI3WUAIqZ0p/view?usp=sharing>
- Data Analytics Certification (Nov, 2024)**
Link:
https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLcllO8k2tLi/view?usp=drive_link
- SQL Certification (Oct, 2023)**
Link:
<https://drive.google.com/file/d/1isk0jYL3hatY03ZlgvyqBSJJUKejMjxk/view?usp=sharing>

EXPERIENCE

Brainwave Matrix Solutions

Noida, Uttar Pradesh(Remote)

03/2025 - 05/2025

Data Science & Analytics Intern

- 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
- https://drive.google.com/file/d/1rFlyDo86wm0Gsi5kBPb642BKnQeRS_gY/view?usp=sharing

WebGuru Infosystems Pvt. Ltd

Kolkata, West Bengal

AWS Solution Architect Internship

11/2024 - 01/2025

- 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
- <https://drive.google.com/file/d/1GXKnqjGXxqUqDPna2a2LDgIb2E21eXEc/view?usp=sharing>

PROJECTS

Diwali Sales Prediction

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

Research in Heart Disease Prediction Using AI (Computer Vision)

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

EDUCATION



Brainware University

Kolkata, West Bengal

Master of Computer Application

08/2023 - Present

GPA | 8.42 / 10.0



Narula Institute of Technology

Kolkata, West Bengal

Bachelor of Technology, Civil Engineering

08/2018 - 07/2021

GPA | 7.46 / 10.0



Narula Institute of Technology

Kolkata, West Bengal

Diploma in Engineering, Civil Engineering

08/2015 - 09/2018

GPA | 7.0 / 10.0