



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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Kolkata, West Bengal, India

SKILLS

Technical Skills

Python · PyTorch · Pandas · Numpy ·
Matplotlib · Seaborn · Scikit-learn · SQL ·
PowerBI · Alteryx · AWS (EC2 · S3 · Lambda ·
Elastic Beanstalk) · Operating System

Business & Process Tools

MS Office Suite (Excel · Word · PowerPoint) ·
Basic CRM tools

Soft Skills

Communication · Interpersonal Skills ·
Team Collaboration · Problem-Solving ·
Client Interaction · Adaptability ·
Time Management

CERTIFICATIONS

- Data Analytics Certification (2024)**
https://drive.google.com/file/d/14dUKS1jTwuHpmjNcp5WgeLcllO8k2tLi/view?usp=drive_link
- SQL Certification (2023)**
https://drive.google.com/file/d/1isk0jYL3hatY03ZlgyvyqBSJJUKejMJxk/view?usp=drive_link

LANGUAGES

ENGLISH Proficient ●●●●●
HINDI Proficient ●●●●●
BENGALI Native ●●●●●

EXPERIENCE

Brainwave Matrix Solutions Noida, Uttar Pradesh
Data Science & Analytics Intern 03/2025 - 05/2025

- 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 02/2025 - 04/2025
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
- <https://github.com/Parthadee/Diwali-Sales-Analysis-Prediction.git>

Research in Heart Disease Prediction Using AI (Computer Vision) 08/2024 - 01/2025
Kolkata, West Bengal, India

- 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 08/2018 - 07/2021
GPA | 7.46 / 10.0