PARTHA DEY

CONTACTS

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📍 Kolkata, West Bengal, India

SKILLS

Programming & Databases:

Python (Pandas · NumPy · Matplotlib · Seaborn · Scikit-learn) · SQL (MySQL · PostgreSQL)

Data Analytics & Visualization:

Microsoft Power BI · Advanced Excel (Pivot Tables · VLOOKUP · Charts) · Alteryx (Basics) · Data Modeling · Data Extraction (ETL) · Data Warehousing · Classification · Regression · Clustering · Predictive Analytics · Data Cleaning · Data Wrangling · Exploratory Data Analysis (EDA)

Cloud Platforms:

AWS (EC2 · S3 · Lambda · Elastic Beanstalk)

Operating Systems & Tools:

Operating System (Windows · Linux) · Jupyter Notebook · Git/GitHub · VS Code

Soft Skills

Analytical Thinking & Problem-Solving · Strong Verbal & Written Communication · Leadership & Team Collaboration · Critical Thinking & Decision-Making · Time Management · Adaptability & Quick Learning · Stakeholder Management

CERTIFICATIONS/COURSEWORK

Mastering Machine Learning (Feb, 2025)

https://drive.google.com/file/d/1gh3lFQnFjPxaza-HgtAQWGI3WUAIqZ0p/view?usp=sharing

Data Analytics Certification (Nov, 2024)

https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=drive_link

SUMMARY

Final-year Master of Computer Application (MCA) student with hands-on experience in Python, SQL, Power BI, and AWS. Skilled in ETL pipeline design, data analysis, incident management, and cloud-based deployments. Successfully contributed to projects involving AI-based data solutions and predictive analytics. Adaptable to shift-based environments and passionate about driving data-driven decisions. Seeking to leverage technical and problem-solving skills in a command center operational role.

EXPERIENCE

Brainwave Matrix Solutions — Noida(Remote)

Data Science & Analytics Intern — 03/2025 - 05/2025

- Utilized Python and Excel for data validation and research to ensure accurate ETL pipeline testing.
- Developed interactive Power BI dashboards to visualize operational KPIs for business stakeholders.
- Built and maintained automated scripts using Pandas to improve processing efficiency by 30%.
- Participated in Agile sprints with proactive contributions to code reviews and reporting.

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

Web-Guru Infosystems Pvt. Ltd — Kolkata(Onsite)

AWS Solution Architect Internship — 11/2024 - 01/2025

- Supported data migration to AWS S3, ensuring integrity and compliance.
- Deployed AI-based solutions using AWS EC2, Lambda, and Elastic Beanstalk.
- Conducted unit tests on cloud deployments to validate scalability and architecture standards while exploring emerging technologies for optimized solution design and performance.

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

PROJECTS

Diwali Sales Prediction — 03/2025 - 05/2025

Noida, Uttar Pradesh, India (Remote)

- 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 - 06/2025

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 - 06/2025

GPA | **8.42** / 10.0

Narula Institute of Technology — Kolkata, West Bengal

Bachelor of Technology, Civil Engineering — 09/2018 - 06/2021

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