PARTHA DEY

Kolkata, West Bengal, India

+91 - 9062681888 | [parthakrde@gmail.com](mailto:parthakrde@gmail.com) | <https://www.linkedin.com/in/parthakrdey/> | [https://github.com/Parthadee](https://github.com/Parthadee%20)

**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** | **Mar 2025 - May 2025** |
| *Data Science & Analytics Intern 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.** | **Nov 2024 - Jan 2025** |
| *AWS Solution Architect Internship*   * 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. | *Kolkata, West Bengal, India* |
| **PROJECTS** | |

**Diwali Sales Prediction**

[*https://github.com/Parthadee/Diwali-Sales-Analysis-Prediction.git*](https://github.com/Parthadee/Diwali-Sales-Analysis-Prediction.git)

* Designed ETL pipeline using Python and SQL to support data-driven marketing strategy.

**Feb 2025 - Apr 2025**

**Aug 2024 - Jan 2025**

* 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*](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
* **Other Skills**: ETL Testing, Business Analysis, Data Analysis, Customer Acquisition
* **Soft Skills**: Leadership, Team Management, Communication Skills, Problem-solving, Project Management

**EDUCATION**

|  |  |
| --- | --- |
| **Brainware University** | **Aug 2023 - Present** |
| *Master of Computer Application*   * **GPA:** 8.42/10 | *Kolkata, West Bengal, India* |
| **Narula Institute of Technology** | **Aug 2018 - Jul 2021** |
| *Bachelor of Technology, Civil Engineering*   * **GPA:** 7.46/10 | *Kolkata, West Bengal, India* |
| **Narula Institute of Technology** | **Sep 2015 - Sep 2018** |
| *Diploma in Engineering, Civil Engineering*   * **GPA:** 7.0/10 | *Kolkata, West Bengal, India* |

**CERTIFICATIONS**

• **Data Analytics Certification:**

Link: [https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=sharing](https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=sharing%20%20)  
• **SQL Certification:**

Link: <https://drive.google.com/file/d/1isk0jYL3hatY03ZIgvyqBSJJUKejMJxk/view?usp=sharing>  
• **AWS Solutions Architecture Certificate:**

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