

PARTHA DEY

Kolkata, West Bengal, India

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OBJECTIVE

Aspiring Quality Assurance Engineer with a strong foundation in software testing, automation, and development. Proficient in Python, SQL, and object-oriented programming, with hands-on experience in developing and testing scalable applications. Passionate about ensuring software quality through rigorous testing strategies and automation frameworks.

WORK EXPERIENCE

Brainwave Matrix Solutions

Mar 2025 - Present

Data Analyst Intern

Noida, Uttar Pradesh, India

- Assisted in testing ETL pipelines using Python and SQL to ensure data integrity.
- Developed test scripts to validate data transformation and visualization accuracy in Power BI.
- Collaborated with developers to debug SQL queries for performance optimization.
- Participated in Agile sprint planning and documentation of test cases.

WebGuru Infosystems

Nov 2024 - Feb 2025

AWS Solution Architect Internship

Kolkata, West Bengal, India

- Performed unit testing on cloud-based applications to validate AWS architecture.
- Created Python-based automation scripts to monitor cloud performance.
- Assisted in troubleshooting API and database integration issues.

PROJECTS

Diwali Sales Prediction

Feb 2025 - Apr 2025

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

- Implemented unit testing in Python to validate data preprocessing pipelines.
- Designed automated test scripts to verify Power BI dashboard accuracy.

Research in AI IN HEALTHCARE OF HEART DISEASE

Aug 2024 - Jan 2025

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

- Applied test-driven development (TDD) methodology to improve ML model reliability.
- Used Python (Pandas, NumPy, Matplotlib, Seaborn) for data preprocessing and visualization.
- Used Selenium for UI testing of cloud-hosted dashboards.

SKILLS

- Testing & QA Tools:** PyTest, Postman
- Automation & Development:** Python, SQL, JavaScript
- Other Skills:** Software Development Lifecycle (SDLC), Agile & Scrum Methodologies, Unit Testing & Regression Testing, Debugging & Troubleshooting
- Management Skills:** Leadership, Team Management, Communication Skills, Problem-solving, Project Management

EDUCATION

Brainware University

Aug 2023 - Present

Master of Computer Application

Kolkata, West Bengal, India

- GPA:** 8.32/10

Narula Institute of Technology

Aug 2018 - Jul 2021

Bachelor of Technology, Civil Engineering

Kolkata, West Bengal, India

- GPA:** 7.64/10

Narula Institute of Technology

Sep 2015 - Sep 2018

Diploma in Engineering, Civil Engineering

Kolkata, West Bengal, India

- GPA:** 7.0/10

CERTIFICATIONS

- Data Analytics Certification (2024):** Gained proficiency in data visualization and analytics using PowerBI and Excel.
Link: https://drive.google.com/file/d/14dUKS1jTwuHpmJNcp5WgeLclIO8k2tLi/view?usp=drive_link
- SQL Certification (2023):** 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/1Dn2-1euqg3r7P6bk-cplDIK9Bsw0989z/view?usp=drive_link