PARTHA DEY

Kolkata, West Bengal, India

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OBJECTIVE

Self-motivated Data Analyst with a strong foundation in Python, SQL, and Power BI. Passionate about data analytics, ETL processes, and creating data-driven insights. Experience in data visualization, dashboard creation, and data manipulation using industry-standard tools. Adept at collaborating with teams to develop analytics solutions that drive business decisions.

WORK EXPERIENCE

Brainwave Matrix Solutions | *Data Analytics Internship*   **Mar 2025 - Present**
- Designed and implemented ETL processes using Python and SQL to clean and transform raw data for analytics.
- Developed interactive dashboards in Power BI to visualize key business metrics and trends.
- Conducted exploratory data analysis (EDA) to uncover insights, patterns, and anomalies within datasets.
- Assisted in data validation and quality assurance to ensure data integrity.
- Documented analytics workflows and findings to support knowledge sharing, streamlining team collaboration and improving project continuity

WebGuru Infosystems | *AWS Solution Architect Internship*   **Nov 2024 - Feb 2025**
- Designed scalable cloud architectures on AWS, ensuring efficient resource utilization, which improved system performance and reduced operational costs
- Optimized data storage solutions, enhancing query performance for analytics workloads, leading to faster data retrieval and analysis
- Assisted in cost estimation and architecture documentation using AWS tools, contributing to more accurate budgeting and comprehensive project records

JSpiders - Training & Development Center | *Java Full Stack Development Trainee*   **Feb 2022 - Apr 2023**
- Improved decision-making efficiency by 15% by designing optimized analytics workflows with cross-functional teams.
- Developed software applications using best practices in software engineering, gaining hands-on experience with end-to-end development and improving project delivery efficiency

EDUCATION

Brainware University   **Aug 2023 - Present**
Master of Computer Application (GPA: 8.32/10)   *Kolkata, West Bengal*

Narula Institute of Technology   **Aug 2018 - Jul 2021**
Bachelor of Technology, Civil Engineering (GPA: 7.64/10)   *Kolkata, West Bengal*

Narula Institute of Technology   **Aug 2015 - Jul 2018**
Diploma, Civil Engineering (GPA: 7.0/10)   *Kolkata, West Bengal*

PROJECTS

Diwali Sales Analysis Prediction   **Feb 2025**
https://github.com/Parthadee/AI-in-Healthcare-of-Heart-Disease.git
- Performed data extraction, cleaning, and transformation (ETL) using Python and SQL.
- Created an interactive Power BI dashboard to track top buyers, best-selling products, and sales trends.
- Implemented predictive analytics techniques to optimize sales strategies.

Research in AI IN HEALTHCARE OF HEART DISEASE   **Dec 2024 - 2025**
https://github.com/Parthadee/AI-in-Healthcare-of-Heart-Disease.git
- Developed a machine learning model achieving 89.4% accuracy in predicting heart disease using the UCI dataset.
- Used Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn) for data preprocessing, model building, and visualization.

SKILLS

- **Programming & Scripting**: Python, SQL
- **Data Visualization**: PowerBI, Tableau
- **Spreadsheet Software**: Excel, VBA
- **Cloud**: AWS (EC2, S3, Lambda, Elastic Beanstalk)
- **Operating System** : Windows, Linux, mac OS
- **Behavioral Skills**: Leadership, Team player, Adaptability, Problem-solving, Strong Analytical Reasoning, Strong Communication

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/1isk0jYL3hatY03ZIgvyqBSJJUKejMJxk/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-cplDIK9Bswo989z/view?usp=drive_link