

PARTHA DEY

Kolkata, West Bengal, India

+91-9062681888 parthakrde@gmail.com www.linkedin.com/in/parthakrdey https://github.com/Parthadee

OBJECTIVE

Aspiring AI Researcher with a strong foundation in Deep Learning, Computer Vision, and Medical Image Analysis. Proficient in Python, PyTorch, and TensorFlow, with experience in developing AI models for healthcare applications. Passionate about leveraging AI to enhance clinical decision-making and automate medical imaging tasks. Seeking an opportunity to contribute to AI research and development in the healthcare domain.

WORK EXPERIENCE

Brainwave Matrix Solutions | Data Analyst Intern

Mar 2025 - Present

- Developed SQL queries to extract, transform, and load (ETL) large datasets.
- Automated data cleaning workflows using Python (Pandas, NumPy) to enhance efficiency.
- Created interactive dashboards using Power BI to visualize business performance.
- Worked in an Agile environment, participating in sprint planning and code reviews.

WebGuru Infosystems | AWS Solution Architect Internship

Nov 2024 - Feb 2025

- Deployed cloud-based AI solutions on AWS (EC2, S3, Lambda).
- Assisted in migrating healthcare datasets to AWS cloud for scalable AI analysis.
- Worked with data engineering pipelines to clean and preprocess clinical data.

SKILLS

- Technical Skills:** Python, SQL, VBA, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, AWS(EC2, S3, Lambda, Elastic Beanstalk), Advance Excel, PowerBI, QuickSight, Alteryx(Learning), TensorFlow, Neural Networks, CNNs, RNNs, Image Segmentation, Feature Extraction, Data Cleaning, Descriptive & Predictive Analytics, Clinical Reports Analysis, Patient Waveform Data Processing, OpenCV, Operating System
- Management Skills:** Leadership, Team Management, Communication Skills, Problem-solving, Project Management, Research Collaboration

PROJECTS

Diwali Sales Prediction

Feb 2025 - Apr 2025

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

- Built ETL pipeline using Python to process transactional sales data.
- Stored and queried structured data in AWS Redshift for analysis.
- Developed Power BI dashboards for visualization of sales trends.

Heart Disease Prediction Using AI (Computer Vision)

Aug 2024 - Jan 2025

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

- Built CNN-based AI model to detect cardiovascular conditions from medical images.
- Processed EHR data to enhance model predictions and patient risk assessments.
- Used PyTorch for neural network training and model fine-tuning.
- Conducted error estimation and statistical validation of predictions.

EDUCATION

Brainware University

Master of Computer Application (GPA: 8.32/10)

Aug 2023 - Present

Kolkata, West Bengal, India

Narula Institute of Technology

Bachelor of Technology, Civil Engineering (GPA: 7.64/10)

Aug 2018 - Jul 2021

Kolkata, West Bengal, India

Narula Institute of Technology

Diploma in Engineering, Civil Engineering (GPA: 7.0/10)

Sep 2015 - Sep 2018

Kolkata, West Bengal, India

CERTIFICATIONS

- Data Analytics Certification:** 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:** 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