

# MD ARHAM

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## Education

### Heritage Institute of Technology, Kolkata

October 2022 – May 2026

Bachelor of Technology in Computer Science and Engineering (Data Science)

### Albany Hall Public School, Kolkata

April 2020 – June 2022

Council for the Indian School Certificate Examinations (CICSE) (Class XII)

### Albany Hall Public School, Kolkata

March 2020

Indian Certificate of Secondary Education (CICSE) (Class X)

## CERTIFICATION

- Deloitte Australia
- Quantum
- Python Programming
- Using HTML & CSS
- R Programming

## Experience

### Data Analytics Job Simulation

March 2025 – April 2025

Deloitte Australia

Kolkata, West Bengal

- Created a data dashboard using Tableau.
- Used Excel to classify data and draw business conclusions.
- Completed a Deloitte job simulation involving data analysis and forensic technology

### Data Analytics Job Simulation

April 2025 - April 2025

Quantum

Kolkata, west Bengal

- Developed expertise in data preparation and customer analytics, utilizing transaction datasets to extract valuable insights and deliver data-driven commercial recommendations.
- Extended analytical capabilities to identify benchmark stores for conducting uplift testing on trial store layouts, enabling evidence-based decision-making.
- Completed a job simulation focused on Data Analytics and Commercial Insights for the data science team.

## Projects

### Real-Time Face Detection Using OpenCV | [Link](#)

Developed a Python-based application to detect human faces in real time using webcam input. Utilized OpenCV's pre-trained Haar Cascade classifier to identify and highlight faces on video frames with bounding boxes. Focused on optimizing speed and accuracy for live video feeds.

### Bank Loan Default Risk Prediction System | [Link](#)

Developed an interactive machine learning application to predict the likelihood of loan default using historical customer data. Implemented and compared Artificial Neural Networks (ANN) and Multi-Layer Perceptron (MLP) models with TensorFlow and scikit-learn. Designed a user-friendly Streamlit interface for real-time predictions, enabling quick decision-making for financial institutions.

**Tech Stack:** Python, TensorFlow, scikit-learn, Pandas, Streamlit, NumPy

### Medical Insurance Cost Predictor | [Link](#)

Developed an interactive machine learning application to predict the likelihood of loan default using historical customer data. Implemented and compared Artificial Neural Networks (ANN) and Multi-Layer Perceptron (MLP) models with TensorFlow and scikit-learn. Designed a user-friendly Streamlit interface for real-time predictions, enabling quick decision-making for financial institutions.

## Skill

**Programming Languages:** Python, Java, C, C++, R, Java, SQL

**Web Development:** HTML, CSS

**AI/ML:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras

**Technologies: Databases** (MySQL, PostgreSQL, MongoDB, Oracle),

**Developer Tools:** Git, GitHub, VS Code, PyCharm, R Studio, Jupyter Notebook