

Md Arham

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EDUCATION

- Heritage Institute Of Technology, Kolkata**
Bachelor of Technology in Computer Science and Engineering (Data Science)
Oct. 2022 – May 2026
Kolkata, WB, India
- Albany Hall Public School, Kolkata**
Council for the Indian School Certificate Examinations (CICSE) (Class XII)
May 2021 – June 2022
Kolkata, WB, India
- Albany Hall Public School, Kolkata**
Indian Certificate of Secondary Education (CICSE) (Class X)
May 2019 – Feb. 2020
Kolkata, WB, India

EXPERIENCE

Data Analytics Job Simulation

Deloitte Australia

March 2025 - April 2025

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

Quantium

April 2025 - April 2025

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

Bank Loan Default Risk Prediction System | [GitHub 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

Hospital management System (HMS) :- [GitHub link](#) | [Live link](#)

Developed a comprehensive healthcare web application using Flask and SQLite featuring patient registration, doctor profiles, appointment scheduling, pharmacy inventory management, and automated billing system with responsive Bootstrap UI and intelligent workflow controls for seamless healthcare operations.

Tech Stack: Python Flask, SQLAlchemy ORM, SQLite with relational data modelling, HTML5, Bootstrap 5, JavaScript, RESTful APIs, form validation, search functionality, responsive design.

Full-Stack E-Commerce Platform:- [GitHub link](#) | [Live link](#)

Built a responsive footwear e-commerce website using React.js, Redux Toolkit, Node.js, and MongoDB Atlas. Implemented user authentication with JWT, real-time shopping cart, product catalog with search/filtering, and secure checkout. Features include persistent cart data, user management, RESTful APIs with Express.js, and responsive UI with TailwindCSS. Includes comprehensive error handling, toast notifications, and legal pages.

Tech Stack: React.js, Redux Toolkit, Node.js, Express.js, MongoDB Atlas, TailwindCSS, JWT Authentication

TECHNICAL SKILLS

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

Web Development: HTML, CSS, JS

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

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

CERTIFICATION

Deloitte Australia, Quantium, Python Programming, HTML & CSS, R Programming