

Md Irfanul Kabir Hira

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EDUCATION

University Of Dhaka

Department of Computer Science and Engineering

Dhaka, Bangladesh

4th year (Expected graduation: 2025)

TECHNICAL SKILLS

Programming Languages: Python, Java .

Libraries and Tools: Jupyter Notebook, SQL, Google Colab, PyTorch, Tensorflow , Sklearn, Pandas, Numpy.

Data Visualization: Power BI, Matplotlib, Seaborn.

Data Analysis: EDA, Data Cleaning, Statistical Analysis.

ML Architectures: Machine Learning(Decision Tree , Random Forest , Logistic Regression, SVM, KNN, Naive Bayes, AdaBoost, MLP (Neural Net), LDA, QDA, Ridge Classifier, Extra Trees, XGBoost, LightGBM, CatBoost, LogReg), CNN, Computer Vision, Transformers(BERT, LSTM), RAFT.

Soft Skills: Analytical Thinking, Problem-Solving, Communication .

WORK EXPERIENCE

Data Analyst (Remote Job)

BRITISH AIRWAYS (UK)

July 2024 – December 2024

- Cleaned and preprocessed datasets using Python (Pandas, NumPy) to ensure accuracy and consistency.
- Automated data workflows and reporting processes using Python.
- Developed interactive dashboards in Power BI for effective business performance monitoring. Collaborated with cross-functional teams to streamline operations.
- Resolved data inconsistencies and transformed raw data into actionable formats for analysis.
- Delivered clear visualizations and insights through weekly and monthly reports.

Data Visualization Early Internship (Remote Internship)

Excelerate, Dubai, (United Arab Emirates)

July 2025 - August 2025

- Collaborated with the Marketing team to analyze advertising campaign data and identify underperforming campaigns using data visualizations.
- Refined visualization design for clarity and impact, incorporating best practices in data storytelling.
- Designed and developed a presentation to effectively communicate key findings and actionable insights to the Finance team.
- Delivered a comprehensive project presentation, recommending strategic decisions based on data-driven insights.

PROJECTS

- **Bank Marketing ML Analysis**, Applied and compared multiple machine learning algorithms (Logistic Regression, Decision Tree, Random Forest, KNN, SVM, etc.) to predict campaign success using real-world bank data. [GitHub](#)
- **Movie Recommender System**, Developed a content-based filtering system using cosine similarity to suggest movies based on user preferences and movie metadata. [GitHub](#)
- **Predicting Heart Failure Outcomes Using Machine Learning**, Developed a binary classification system to predict the likelihood of heart failure based on clinical features. Implemented and compared multiple ML models including Logistic Regression, Random Forest, and XGBoost. Focused on evaluating model performance using precision, recall, F1-score, and ROC-AUC to ensure high reliability for healthcare decision-making. [GitHub](#)
- **Air Quality Forecasting (CO and NO)**, Predicted carbon monoxide and nitrogen dioxide levels using machine learning models with time-series and regression techniques. [GitHub](#)

PUBLICATIONS

- Advance Bioinformatics, Computer Aided Drug Design based on Alzheimer's Disease. [ABCD Laboratory, Bangladesh](#)

EXTRACURRICULAR ACTIVITIES

- **Ai Training Course (3 days)** ABCD Laboratory Bangladesh – Completed October 29th 2024 [View Certificate](#)
- **Data Science Job Simulation** British Airways-UK, Completed 5th September 2023 [View Certificate](#)
- **Data Science and Machine Learning with Python** - Completed 9th February 2025 [View Certificate](#)
- **Basic Of Computer Science Quiz** Conducted by Shardaya College, India-Score: 90/100 [View Certificate](#) 2023
- **Participated in 2-Day International Space Challenge (1–2 October 2022)** [View Certificate](#)
- **Leadership Certificate** Organized by 10 minute school 2023 [View Certificate](#)