



# Nazihah Islam Nawreen

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**Date of birth:** 25/09/2002

## WORK EXPERIENCE

[05/2025–08/2025]

[ 2024 – 2025 ]

## EDUCATION AND TRAINING

[ 2021 – 2025 ]

[ 01/2020 – 01/2021 ]

## PROJECTS

[09/2025 ]

[ 04/2025 ]

## SKILLS

## CERTIFICATIONS

[ 09/2025 ]

[ 08/2025 ]

[ 07/2025 ]

### BNext Intern at bKash (Product & Technology)

- Developed AI usage policy for bKash, outlining ethical guidelines, data privacy, and industry compliance to strengthen AI governance.
- Created and presented slides simplifying management processes and workflows.

### Student Tutor at BRAC University

- Tutoring in Integral Calculus and Differential Equations

### Bachelor of Science in Computer Science

#### BRACUniversity

| **Final grade:** CGPA: 3.90/4.00 | **Thesis:** A Robust Ensemble Learning Framework for Binary and

Multiclass Malware Classification over Diverse Datasets

Notable Courses: Integral Calculus and Differential Equations, Elements of Statistics and Probability, Data Structures and Algorithms, Artificial Intelligence

### International Advanced Levels (IAL)

#### Pearson Qualifications

| **Final grade:** A\*/A

### Coronary Heart Disease Prediction Model

Tools: Python, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Framingham Dataset, Flask

- Implemented an end to end model using XGboost classifier and preprocessing the dataset

### Movie Recommendation System

Tools: Python, scikit-learn, Pandas, Numpy, TfidfVectorizer, Streamlit

- End-to-end content and genre-based movie recommender and used cosine similarity to compare user-input preferences with movie attributes.

### Programming Languages

Python | CSS | SQL | HTML | Git & Github | Jinja

### Machine Learning Techniques

Linear/Logistic Regression | Random Forest | XGBoost | SVM | K-Means Clustering | PCA

### Tools

Numpy | Linux | Pytorch | Pandas | Scikit-learn | XAI | Power BI

### Soft Skills

Time Management | Problem Analysis & Problem Solving | Critical Thinking | Teamwork & Collaboration

### Web Framework

Flask | Streamlit

### Supervised Learning with scikit-learn ([DataCamp](#))

- Acquired expertise in Data Preprocessing and Pipelines, including techniques for imputing missing values, categorical data encoding, feature scaling, and building integrated ML workflows using pipelines.
- Developed and evaluated Supervised Classification models to predict customer churn status on a telecom dataset.

### Introduction to Data Science in Python ([DataCamp](#))

- Developed proficiency in data manipulation using Pandas and NumPy.
- Practiced data cleaning, exploration, and visualization with Matplotlib.
- Applied statistical techniques for real-world data analysis projects.

### Machine Learning Specialization ([Stanford University](#))

- Gained hands-on experience with supervised, unsupervised, and reinforcement learning algorithms.
- Applied concepts like linear regression, logistic regression, neural networks, and SVMs.
- Learned model evaluation, regularization, and practical ML system design.