

Md.Sayeeduzzaman

Dhaka, Bangladesh

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## EDUCATION

<b>Bangladesh University of Engineering and Technology</b>	Dhaka, Bangladesh
<i>B.Sc. in Computer Science and Engineering</i>	February 2020 – March 2025
<b>Notre Dame College, Dhaka</b>	Dhaka, Bangladesh
<i>Higher Secondary Certificate, Science</i>	July 2017 – June 2019
<b>Motijheel Govt. Boys' High School</b>	Dhaka, Bangladesh
<i>Secondary School Certificate, Science</i>	January 2010 – December 2015

## SKILLS

Programming Language	Frameworks	Operating System & Others
C++	Django	Git
Python	React	RabbitMQ
JavaScript	NodeJS	Redis
Java	Bootstrap	Docker
C	NextJS	Ubuntu
Kotlin	Angular	Prisma ORM
SQL	Langchain	FireBase
	Express	Cloudinary
	Android	ObjectBox
	Flutter	MongoDB
		PostgreSQL

## WORKING EXPERIENCE

Software Engineering Intern — Bengal Mobile QA Solutions, Paltan, Dhaka-1000 | March 2025 - May 2025

- Worked in the Backend of a Hotel Ticketing system.
  - Worked in a security app and developed applock service from the scratch integrating with the existing codebase for the app.
  - Explored different issues in different android versions
  - Solved camera permission issues in the fragment for clicking intruder photo.

**Associate Software Engineer** — Bengal Mobile QA Solutions, Paltan, Dhaka-1000                          June 2025 - present  
*Specialization: Android Application Development with Java and Kotlin*

- Developed BRAC UPG mobile application using Kotlin with comprehensive API integration and ObjectBox database implementation for efficient offline data management and multi-criteria data operations.
  - Built behavior-based malware detection system in Android environment.
  - Implemented activity monitoring features including camera/microphone usage tracking, screen lock/unlock logging, and app usage analytics within Android platform limitations.

## OTHER DEVELOPMENT EXPERIENCES

# **Khalis Beauty E-commerce Platform**

shajgoj | Live Demo —Full Stack Web Application  
NextJS, NodeJS, Express, PostgreSQL, Prisma ORM, JWT, Cloudinary December-2025

A comprehensive e-commerce platform for beauty and cosmetics marketplace with complete user and admin functionality.

- Built a full-stack e-commerce platform with user authentication, product management, shopping cart, and admin controls using modern web technologies.
- Implemented JWT-based authentication with role-based access control, Prisma ORM for type-safe database operations, and Cloudinary for image storage management.

- Optimized application performance using caching strategies, efficient database queries, and deployed on Vercel with seamless API integration.

## UNDERGRADUATE PROJECT WORKS

### **EPL Players' Draft** *EPL Players' Draft* —Java Project

*java, javafx*

2021

A web application for drafting English Premier League (EPL) players, enabling users to create and manage personalized fantasy teams

- Built an EPL Players Draft app with real-time player selection and stats integration
- Optimized data accuracy, algorithm, and UI responsiveness.
- Delivered a user-friendly tool for managers and fans to streamline drafting.

### **Jobify** *JOBIFY* — Software Development Project

*NextJS, CSS, MongoDB, Agora React UIKit*

2023

A job portal web application designed to connect job seekers with employers, featuring job postings, applications, and user management.

- Built a platform connecting job seekers and employers with advanced search and matching features.
- Integrated real-time updates, ensuring data security, and optimizing the recommendation system.
- Delivered an efficient, user-centric solution to streamline job hunting and recruitment.

### **HAR Model Optimization** *HAR Analysis* —ML Project

*TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, scikit-learn.*

2024

A project for Human Activity Recognition (HAR) analysis using machine learning techniques to classify activities based on sensor data.

- Developed a Human Activity Recognition (HAR) analysis system using machine learning for accurate activity classification.
- Processed sensor data, optimized model accuracy, and managed computational costs.
- Achieved robust classification with a user-friendly implementation for real-world applications.

### **Customizable Feed-Forward Neural Network: Apparel Classifier** *FashionMNIST* —ML Project

*TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, scikit-learn.*

2024

A FFN and CNN Model for detecting the apparels.

- Optimized model accuracy tuning hyperparameters and preventing overfitting.

### **LR with bagging and stacking** *LR with Bagging and Stacking* —ML Project

*TensorFlow, Keras, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, scikit-learn.*

2024

Implemented a Logistic Regression classifier with ensemble methods such as bagging and stacking, applied to multiple datasets with comprehensive preprocessing, performance evaluation using comparative metrics, and reproducible coding in Python, submitted as a Jupyter Notebook alongside a detailed report.

- Developed a machine learning project combining Logistic Regression with bagging and stacking techniques for enhanced predictive accuracy.

## RESEARCH INTEREST

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|---|--|
| <ul style="list-style-type: none"> <li>• Distributed systems</li> <li>• Human Computer Interaction</li> <li>• Real-Time Data Processing</li> <li>• Software Engineering</li> <li>• Dynamic Reporting Systems</li> </ul> | <ul style="list-style-type: none"> <li>• Context-Aware Computing</li> <li>• Machine Learning</li> <li>• Deep learning</li> </ul> |
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## RESEARCH EXPERIENCE

### Undergraduate Thesis: Detecting objects using knowledge distillation

*Supervisor - Dr. Md. Monirul Islam(Professor, CSE, BUET)*

- Training yolo v10, yolo v8m, RetinaNet, FasterNet with KITTI, COCO, Udacity datasets
- Comparing their confusion matrices
- Finding the best model for each datasets