




Md.Sayeeduzzaman

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EDUCATION

Bangladesh University of Engineering and Technology

B.Sc. in Computer Science and Engineering

CGPA: 2.99/4.0

Dhaka, Bangladesh

February 2020 – March 2025

Notre Dame College, Dhaka

Higher Secondary Certificate, Science

GPA: 5.0/5.0

Dhaka, Bangladesh

July 2017 – June 2019

Motijheel Govt. Boys' High School

Secondary School Certificate, Science

GPA: 5.0/5.0

Dhaka, Bangladesh

January 2010 – December 2015

SKILLS

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

- Distributed systems
- Human Computer Interaction
- Real-Time Data Processing
- Software Engineering
- Dynamic Reporting Systems
- Context-Aware Computing
- Machine Learning
- Deep learning

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 metrics
- Finding the best model for each datasets