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👤 PROFILES

- 🔗 **LinkedIn** 🔗
- 🔗 **GitHub** 🔗
- ▶ **YouTube** 🔗
- 🐦 **Twitter** 🔗
- 📋 **StackOverflow** 🔗
- </> **LeetCode** 🔗

✳ CERTIFICATES

BKASH WORK EXPERIENCE 🔗

M.SC 🔗

B.SC 🔗

📖 ADV. COURSE

Graph Theory
Parallel Algorithms
Advanced Databases
Symbolic Machine Learning 1
Symbolic Machine Learning 2
Neural Networks & Fuzzy Systems

🎓 EDUCATION

2022-2023
M.SC. IN CSE
Brac University, Dhaka
CGPA : 4.00/4.00

2016 - 2019
B.SC. IN BME
MIST, Dhaka
CGPA 3.47/4.00

2013 - 2015
INTERMEDIATEE
RUMC, Dhaka
GPA 5.00/5.00

2011 - 2013
HIGH SCHOOL
Sristy Central School, Dhaka
GPA 5.00/5.00

A F M Mohimenul Joaa

Software & Solution Engineer
M.Sc in Computer Science & Engineering
at Brac University | Dhaka 1212, Bangladesh
CGPA: 4.00

💼 EXPERIENCE

2020-Now **bKash** 🔗   **Software & Solution Engineer**

In 2020, I began my career as a native Android app developer and later expanded my skill set to include Flutter and iOS development. I contributed to the development of the bKash Agent app 🔗 and the bKash Customer app 🔗 at different times, and also worked on the middleware for multiple sprints.

`Flutter` `Android` `iOs` `Json Schema` `Spring Boot` `Integration Test` `Rest` `gRPC` `GraphQL` `BLoC` `Microservices` `Dart` `Java` `Kotlin`

2020-2020 **MIST** 🔗   **Independent Contractor**

Design and develop an online system for delivering reports to the Armed Forces Institute of Pathology, and contributed to the home-grown ventilator project for the COVID-19 pandemic.

`Oracle` `WPF` `C#` `Arduino` `Raspberry pie`

✨ SKILLS

Machine Learning Library & Algorithm

`Hugging Face` `Spacy` `NLTK` `Pytorch + Lightening` `Tensorflow + keras` `Scikit-learn` `AdaBoost` `XGBoost` `Decision Tree` `SVM` `PCA` `Clustering Algorithm`

Library, SDK & Framework

`Flutter` `Android` `iOS` `Spring Boot` `Node.js` `Flask` `Django` `Rails` `React` `Next.js` `NGINX` `Docker` `Kubernetes` `Jenkins` `Apache Airflow` `Apache Arrow` `Hadoop Ecosystem (Big data)`

Database

`Redis` `Oracle` `PostgreSQL` `Firestore` `Apache Hive` `MongoDB`

Cloud Platform

`AWS` `Azure` `GCP` `Firebase`

Protocol

`RESTful API` `GraphQL` `gRPC` `WebSocket` `MPI` `Webhook` `MQTT` `Kafka`

Programming Paradigm

`Object Oriented` `Aspect Oriented` `Functional` `Reactive` `Concurrent`

Architectural Pattern

`Business Logic Component (BLoC)` `Clean` `Layered` `Microservices` `Reactive` `Repository Pattern` `Builder Pattern` `Factory Pattern` `Model View ViewModel(MVVM)` `Model View Presenter(MVP)` `Model View Controller(MVC)`

Programming Languages

`Java` `Kotlin` `C` `C#` `Dart` `JavaScript` `TypeScript` `Python` `bash` `JSON Schema` `Golang`

🎲 SIDE PROJECTS

MAY 2023
APRIL 2023

GODB-Graph Object Database
Repository 🔗

› Features a distributed and concurrent database with transactional processing and deadlock avoidance capabilities, providing reliable and consistent data management in large-scale scenarios.

› Unique feature of this database is its utilization of JSON-schema to create GraphQL types, allowing for efficient traversal and querying of entities as graph objects.

Go | GraphQL | Json Schema

MAY 2023
APRIL 2023

Named Entity Recognition
Repository 🔗

› A variety of approaches were attempted to solve Named Entity Recognition. Including Dense Neural Network, LSTM, GRU, Transformer, BERT based Encoder, T5, Roberta, and Electra.

› The aim of these attempts was to identify the most effective approach for Named Entity Recognition.

Hugging face | Spacy | NLTK | Pytorch | Lightening | Tensorflow | Keras | Jupyter | Python

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JANUARY 2023
DECEMBER 2022

Federated Extra Tree 🔗
Repository 🔗

› Federated Extra-Trees is a privacy-preserving federated machine learning method.

› Solved data island problem and enables cross-institutional collaborative machine learning for real-world applications while avoiding the need to gather data in one place.

Decision Tree | gRPC | Flask | Jupyter | Python

APRIL 2023
AUGUST 2022

StreetStat
Play Store 🔗

› Street Stat App enables reporting of road hazards and road conditions.

› Aims to create safer roads through prompt action by local authorities.

Android | gRPC | Flask | Azure Web App | Azure Storage Account | Azure ML Studio | Xgboost | Kotlin | Python
Jupyter | Docker

MAY 2023
APRIL 2023

Flutter Weather App
Repository 🔗

› Retrieve current weather data from RESTful API and cache it for later viewing.

› Supported platforms: Android, iOS, Web

Dart | BLoC | Repository Pattern | RESTFul API | Clean Architecture

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MARCH 2020
JUNE 2018

Dume: Find Mentor & Share Skill 🔗
Repository 🔗

› Dume is an app that helps you find the perfect home tutor for your needs.

› It offers dedicated profiles for students and mentors, three package options weekly, monthly, or Coaching, and nine categories for finding expert tutors.

Android | Java | Kotlin | Firebase | GCP

JANUARY 2020
OCTOBER 2019

E-Med: Online report delivery management system
Demonstration 🔗

› Identify patients using Fingerprint, NID, App, Email, or phone number using E-Med Register 🔗

› Upload reports with a unique code upon creation using E-Med Uploader.

› Automatic distribution to patient using - E-Med Patient App 🔗

Windows Presentation Foundation | Oracle | Node.js | Android | C# | Kotlin | TypeScript | JavaScript