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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 + Lightning Tensorflow + keras Scikit-learn AdaBoost
XGBoost Decision Tree SVM PCA Clustering Algorithm

Library, SDK & Framework

Flutter Android iOS Spring Boot Node.js Flask Django .net Framework 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

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

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

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