A.K.M. JUBAIR AHMED

32-33 North Bashabo, Dhaka-1214, Bangladesh
+880 1675938122
jubair421@gmail.com

EDUCATIONAL BACKGROUND

North South University
BS in Computer Science and Engineering | 2016-2021
- CGPA - 3.40 out of 4.00

The British Council, Dhaka
A'Levels | 2012-2014
- GPA: 5.00 out of 5.00

Oxford International School, Dhaka
O'Levels | 2011-2012
- GPA: 4.30 out of 5.00

SKILLS

- Mobile Application Development (Android)
- Java (Spring Boot)
- Frontend Development- ReactJS, NextJS
- Backend Development- NodeJS, NestJS, PHP
- Databases- MySQL, PostgreSQL, MongoDB
- Cloud Technology- Azure, AWS
- Docker and Kubernetes
- Problem Solving (Data Structure & Algorithm)

CERTIFICATIONS & AWARDS

Merit-based Scholarship for Undergraduate Degree at North South University

PROGRAMMING LANGUAGES

- JAVA (primarily used in programming contests)
- C, C++
- Javascript
- C#

WORK EXPERIENCES

Software Developer
BYLC
(December 2021 to Present):
- Design and build advanced web applications and micro-service systems.
- Collaborate with cross-functional teams to define, design, and ship new features.
- Design database using Entity-Relationship diagrams
- Write modular code and optimize performance
- Efficiently use third-party data sources and APIs
- Troubleshoot issues and fix bugs
- Involved in most of the stages of SDLC
- Works under Agile Framework
- Using Git Version Control for tracking and managing changes to source code collaborating with other developers.
- Projects - IT Helpdesk System, Leave Management System, Job Portal, Room Booking System, Registration Portal

Undergraduate Research Assistant
North South University
(July 2020 to August 2021):
- Involved in various machine learning related research works for Department of Electrical and Computer Engineering.
- Assisted in development of AI solutions based on Computer Vision.

REFERENCES

Shaikh Shimon Arefin Shawon
Ongoing PHD, University of Waterloo
Lecturer, North South University
Former Sr.Software Engineer, Samsung R&D
shaikh.shimon@northsouth.edu

TECHNICAL PROJECTS (ACADEMIC)

- **Homemade Food Delivery App for Dhaka Region**

This app provides services for the people who prefers homemade foods rather than food from restaurants. The app usually connects the customers with homemade chefs.

  - **Technologies/Stacks:** Figma, Android/Java, Firebase, Room
  - **Source Code:** https://github.com/NSU-FA20-CSE486-1/1631398_FA2020_CSE486.1

- **Android Weather App**

A native android app which gives updated weather information for a specific location.

  - **Technologies/Stacks:** Android (Kotlin), Weather API
  - **Source Code:** https://github.com/Jubair-nsu1/Weather-App-Android-Kotlin

- **Virtual Classroom**

A platform which enables teachers and students to perform academic activities like Realtime MCQ based exams, Assignments and Assessments of students.

  - **Technologies/Stacks:** Html5/Css3/Bootstrap5, PHP, Javascript, Jquery and MySQL
  - **Source Code:** https://github.com/Jubair-nsu1/Virtual-Classroom

- **IT Support Ticketing System**

Office Staff can seek IT support through this form. End to end email notification system is integrated. Both sides will be notified for a new request and after solving the issue. There is an admin panel where the IT support provider can view the details of incoming requests, pending requests, solved issues. There are some features like downloading monthly reports of total support provided.

  - **Technologies/Stacks:** React, NodeJs, ExpressJs, Redux, MongoDB
  - **Live:** https://bylc-helpdesk.netlify.app/

AI PROJECTS

- **IsoBlur – Automatic vehicle detection and classification from blurred images and video.**

Moving cars especially at high speeds are usually captured as blurred images in cameras. As a result, it becomes difficult to identify and classify them from these images and videos. Therefore, leveraging the MobileNetV2 we designed a pipeline specifically to tackle this problem.

Note: To be published

- **Checkers game using Minimax algorithm.**

This was our final project for the artificial intelligence course. We developed the popular game of checkers using minimax algorithm and python. The AI bots were made to compete against individual groups in our class for the one group to win the tournament. We also integrated the option to change the difficulty level as per our needs.