HASNAIN IQBAL

Software Engineer

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One Liner: *Hoping to put an impact on the software industry.*

CONNECTIONS

www.github.com/shirsho1106

www.linkedin.com/in/hasnain-iqbal-4703a124b/

shirshonei.blogspot.com

EDUCATION

BSc in Software Engineering
(Expected graduation: 2023)
IIT, University of Dhaka
CGPA: ***3.83*** *(up to 3rd year)*

HSC, Jashore board
Govt KC college, Jhenaidah
GPA: ***5.00***

COMMUNICATION SKILLS

Anchoring

Creative Writing

CO-CURRICULARS

Cultural Secretary
IIT Software Engineers' Community (IITSEC)
Jan 2022 - April 2023

Event Organizer

- TechCrunch 2.0 *(Involving female students from different colleges all over Bangladesh)*
- DU ITVerse *(Nation-wide IT fest, online)*
- Independence Cup - Internal programming contest, IIT

REFERENCES

Kaniz Fatema
Chief Executive Offices (CEO),
Bangladesh Open Source Network (BdOSN)
E-mail: kaniz.fatema@bdosn.org

Dr. Ahmedul Kabir
Associate Professor,
Institute of Information Technology,
University of Dhaka.
E-mail: kabir@iit.du.ac.bd

EXPERIENCES

Internship - Software Engineer, Computer Services Limited
December 2022 - May 2023
I built a web application with React and Firebase from where an electronic ESP32 IoT device can be operated.
Developed an automatic result sheet generator for a sister concern EdTech of the company.

SKILLS & ABILITIES

Programming Languages: Javascript, Python, Java, C++, C
Front-end Technologies: React, AngularJS
Back-end Technologies: Node, Django, MySql, MongoDB, Firebase.
Tools: Git, Docker, Nginx, MinIO, JWT, Android Studio, Postman
Addons: Design Patterns, Microservice Basics, IoT basics, Web-scrapping.

PROJECTS

Auto Result-Sheet Generator *(MERN: React | Node | MongoDB)*
It takes a CSV file of a pre-defined format as input. And after all the calculations it can export a specific student's detailed resultsheet.

Connect-JRC *(ReactJS | Firebase | ESP32)* - *https://protodash.jrcboard.com/*
Connect-JRC is basically an IoT dashboard from where an ESP32 device can be operated and data (e.g. from sensors) can be viewed. The work was done for the team who developed the first IoT board in Bangladesh, the JRC-Board.

E-School *(Django)*
An online learning environment with all the functionalities needed from course enrollment to result-publishing. ML is used in applicable sections.

Mini-Facebook *(ReactJS | Django | Docker | Nginx | MinIO | JWT)*
'Docker swarm' was used to distribute the backend on separate machines. Nginx was used as the reverse proxy. Images stored in minio. Register, Login with JWT token, Status, and Story features are available.

Gomoku-AI *(ReactJS) Play here - https://gomoku10.netlify.app/*
Minimax and Alpha-Beta pruning is used on a 10X10 grid. The winner is the first player to form an unbroken chain of five stones horizontally, vertically, or diagonally. The built AI is really tough to beat.

Donation App *(AngularJS | DotNet | MongoDB)*
The web application was made for donating goods to needy people without revealing their identities.

Shologuti-AI *(C++)*
Ai version of a popular rural game of South Asia. The AI is hard to play against and is developed using a heuristic algorithm.

ACHIEVEMENTS

34th | Battle of Brains, CSE, University of Dhaka, 2019

Runners Up | Divisional Level, Science Project Showcasing, 2017

Board Scholarship, HSC, 2018