Monjure
Mowla

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ABOUT ME

Love to do problem solving.

Always interested in learning new tools and technologies in Embedded Systems, Blockchain, Android and Web Development.

EDUCATION

Ahsanullah University of Science and Technology

April, 2018 - January, 2023
CGPA: 3.762 / 4.00

Dhaka Imperial College

2015 - 2017
GPA: 5.00 / 5.00

Faizur Rahman Ideal Institute

2008 - 2015
GPA: 5.00 / 5.00

SOFTWARE PROJECTS

JobFinder   [Website made in ASP.NET MVC - Demo Link]

- Companies can post vacancies.
- Job seekers can apply to those posts.
- Job seekers can upload their CV and update their profile.
- Companies can see the profile of those who applied to their posts.
- Companies can write recommendations about job seekers and job seekers can write reviews about companies.
- Companies can search people based on their skills.

NoWasteNoHunger   [Android App made in Java - Demo Link]

- Users can post about their leftovers.
- Other users can see these posts and collect the leftovers from the given address in the post.
- The users who post about their leftovers will be sent an SMS when others are willing to collect the leftovers.
- The users can lodge a complaint to the admin by sending a mail.

Covid Protection Store [E-Commerce Website made in PHP - Demo Link]

- The customers can view products and order them.
- The admin can add new products from the admin pane.
- Registered customers can view extra products from their account.
- The customers can send mails to the admin.
- The admin can view the orders and mails form the customers.

HARDWARE PROJECT

- Project Name: **Voice Controlled Automated Home**
- The project was an embedded system done on the ARDUINO microcontroller board.
- See the project source files on GitHub
- Special Feature: Lights and fans can be controlled through an android app using the Bluetooth module.

CERTIFICATES

- PROBLEM SOLVING (BASIC) CERTIFICATE - HACKERRANK

- SQL (INTERMEDIATE) CERTIFICATE - HACKERRANK

- WEB DESIGN FOR EVERYBODY: BASICS OF WEB DEVELOPMENT & CODING - COURSERA

- C# (BASIC) CERTIFICATE - HACKERRANK

- INFRASTRUCTURE AND APPLICATION MODERNIZATION WITH GOOGLE CLOUD - COURSERA

- PYTHON DATA STRUCTURES - COURSERA

- PYTHON (BASIC) CERTIFICATE - HACKERRANK

CO-CURRICULAR ACTIVITES

Vice President
January 11, 2022 - December 31, 2022
AUST Robotics Club

Took a workshop on 'Building a Voice-Controlled Automated Home'
Workshop Link

PUBLICATION

An Empirical Study of Pre-Trained CNN Models on COVID-19 CT Scan Images, 2022 4th International Conference on Sustainable Technologies for Industry 4.0 (STI), 2023

EXPERIENCE

Embedded Software Engineer
December 1, 2022 - present
Neural Semiconductor Limited

Virtual Modeling of the following projects:
- An **LC3** (Little Computer 3)
- A Simple **Counter**
- A Simple **DMA**
- An **LPUART** (Low Power UART):
    - Binding it with the **RISC-V** core
    - Writing its test bench

Tools and Libraries used: **C++, SystemC, TLM, SCML**

PROBLEM SOLVING

- Solved 300+ programming problems on various problem solving sites such as CodeForces, HackerRank, UVa, HackerEarth, Spoj, CodeChef.
- Participated in 50+ Online Problem Solving Contests in CodeForces
- Gold Level Badge on Problem Solving in HackerRank
- See the credentials of my certificates and problem solving record from my HackerRank and CodeForces handles:

  HackerRank ID: https://www.hackerrank.com/abir27

  CodeForces Id: https://codeforces.com/profile/number27

REFERENCES

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