

HAFIJUL HOQUE CHOWDHURY

Bangladesh University of Engineering & Technology

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EDUCATION

B.Sc in Computer Science & Engineering - CGPA 3.81/4.00

Bangladesh University of Engineering & Technology

📅 February 2020 – Present

Higher School Certificare - GPA 5.00/5.00

Notre Dame College, Dhaka

📅 2017 - 2019

PROJECTS

UrbaNest - Your guide to your dream home

React,express,MongoDb

- A basic real-estate buy, sell, rent website, complete with in-depth search, google maps, blogging and review system.

Rotten Tomatoes

EJS,express,Oracle

- Inspired by IMDB,a website about movies,where users can find details about their favourite movie,rate them,discuss about them,buy some merchandise

Catch-the-egg

C, iGraphics

- A recreation of the classic Catch-the-egg game. Created using iGraphics and C language.

Football Manager

JavaFx

- Done as part of the OOP course. A football manager app where managers can buy or sell players. Developed using Java Socket Programming and JavaFX for the frontend.

LCC - Little C Compiler

FLEX,BISON,C,YACC

- Part of the Compiler course, this project involved creating a compiler that can compile a subset of the C language.

Ray Tracing

C++

- Developed a ray tracing pipeline for capturing image in C++

xv6 Memory management and Threading

C

- Implemented memory management and threading systems for the xv6 operating system.

EXPERIENCE

Working with Concordia University

An LLM-Powered Security and Privacy Assistant for IoT

📅 November 2023 – Present

- Developing an LLM-powered tool that bridges the information gap between consumers and crucial security details when purchasing IoT devices.
- Expanded my expertise in advanced NLP techniques like LLMs, Transformers for analyzing and representing complex information

SKILLS

- Programming Language
 - C, C++, Java, Python, Shell, 8086 Assembly, MIPS Assembly, Javascript
- Database
 - Oracle DB, PostgreSQL, MongoDB
- Frameworks
 - React, Express.js, JavaFX, OpenGL, iGraphics, Springboot
- Technologies
 - Git, Docker

RELEVANT COURSEWORK

- Discrete Mathematics, Data Structures and Algorithms, Object-Oriented Programming
- Software Engineering, Information System Design, Database Systems
- Machine Learning, Artificial Intelligence
- Computer Security, Operating Systems, Computer Networks, Numerical Methods, Computer Graphics