Rayan Islam

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PERSONAL PROFILE

A senior year (level-4) Computer Science and Engineering (CSE) undergraduate student, from Bangladesh University of Engineering and Technology (BUET), interested in Web Development who aspires to pursue entry-level Software/Database Engineering opportunities

EDUCATION

Bangladesh University of Engineering and Technology　　　　February 2020 - Present
B.Sc in Computer Science and Engineering　　　　***CGPA:*** *3.13/4 (After 7 terms)*

Rajuk Uttara Model College　　　　2017-2019
Higher Secondary Certificate (H.S.C)　　　　***GPA:*** *5.00/5.00*

SKILLS

Languages: C/C++, Java, Python,JavaScript, HTML, TailwindCSS, Bash, LaTeX
Frameworks: Git, NextJS, OpenGL
Databases: Oracle, MongoDB
Tools and Software: Git, Cisco Packet Tracer, NS-3, Bison, Flex, Wireshark, Navicat, Snort
Designing: MS Powerpoint, Figma

PROJECTS

Jobify-Job finding and A job posting wedsite | *NextJs, TailwindCss, MOngoDb*　　　　2024
- A job finding and job posting website that envision to make the process of finding a job easier !
- Incorporated video call module that helps taking interviews online for the ones who are posting the jobs

EventBuddy | *React, MaterialUi, NodeJs*　　　　2022
- A social media software to make new friends based on event choice
- Realtime chatting using socket programming
- Clean- minimalistic UI

BABO-Bi-Axial Autonomous roBot with Obstacle avoidance | *Arduino*　　　　2023
- Hiararchical reinforcement learning (q learning)
- Real time crawling policy adaptation
- hand-cut chassis

YACC - Yet Another Compiler Compiler | *C, Flex, Bison, x86 Assembly*　　　　2023
- A compiler built from scratch focusing on key compiler design aspects including symbol table creation and lexical analysis
- Incorporated Flex for lexical parsing and Bison for semantic analysis and finally the generation of optimized x86 assembly code for machine-level execution

RESEARCH EXPERIENCE

CommonGen evaluation of different LLM's on Bangla Language　　　　2024 - Present
Ongoing Undergraduate Thesis
Supervisor: Dr. M. Masroor Ali (Professor, BUET)

MAJOR ACHIEVEMENTS

2023: **CSE316 Runner Up Project**