Mollik Rahman

https://molliksrahman.github.io

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TECHNICAL SKILLS

Languages & Libraries: Python, Java, JavaScript, React, Express, MongoDB, HTML, CSS, C, C++, MATLAB
Software and Platforms: Visual Studio Code, Visual Studio, Microsoft Office Suite, Windows, Linux, Git, GitHub, Adobe Premiere Pro, Vegas Pro, DaVinci Resolve, Audacity, Adobe Photoshop

EDUCATION

The University of Texas at Dallas **AUGUST 2020 – DECEMBER 2024**
Bachelor of Science, Computer Engineering
Related Coursework: Data Structures & Algorithms, Comp Sci I-II, Computer Architecture, Software Engineering, Electrical Network Analysis, Embedded Systems, Electronic Circuits, Computer Engineering Fundamentals I-II

EXPERIENCE

Undergraduate Researcher – *TIES Research Group* **SPRING 2022 – FALL 2022**
- Conducted quantum computing research under a PhD student mentor for the Trustworthy and Intelligent Embedded Systems research group at the University of Texas at Dallas
- Designed reversible flip-flops using quantum gates
- Embedded reversible flip-flop designs into simulated quantum registers

Customer Service Associate - *Walgreens* **SPRING 2021 – FALL 2021**
- Worked with shift leaders and peer customer service associates to improve the experience of customers
- Improved the efficiency of customer checkouts by 32% using the “I see three” system
- Checked out customers, handled photo orders, and stocked items when the floor inventory was low

PROJECTS

Pocket Change – HTML, CSS, React, MongoDB, Express
- Developed a web application that keeps track of the user’s current balance and transaction history
- Used Express.js and MongoDB as the backend, storing the user’s transaction history in a database
- Created a clean minimalistic user interface using HTML, CSS, and React.js

All-in-One Invest – React, JavaScript, Python
- Constructed a web application that displays stock market data and gives users personalized investment recommendations
- Used Yahoo API to obtain stock market data and Rechart.js to graph trends
- Developed a search bar to help users navigate through the different tickers

Selma Security System – C++
- Designed a functional home security system using two Arduino kits and a sensor kit
- Coded a two-way communication system between the Arduino boards that held the arming mechanism and the motion sensors respectively
- Constructed the arming mechanism with a keypad, potentiometer and an LCD display

ORGANIZATIONS

Association for Computing Machinery **FALL 2022 - PRESENT**
Institute of Electrical and Electronics Engineers **FALL 2020 - PRESENT**
Bangladeshi Student Organization **FALL 2020 - PRESENT**
Muslim Student Association **FALL 2020 - PRESENT**