SHAIBAL MUHTADEE

Computer Engineering | University of Toronto

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PROJECTS

shaibalmuhtadee.com
📅 May 2022 – June 2022   📍 Toronto, ON

- Designed and created a responsive portfolio website to showcase my personal projects
- Envisioned and drafted a dual themed interface with various reactive UI elements
- Utilized React, NextJS, TypeScript, and TailwindCSS to construct the site and host on Github Pages

ChromaMap
📅 January 2022 – April 2022   📍 Toronto, ON

- Led a team of three students in creating a GIS mapping software in C++ for the visually impaired
- Implemented a multi-destination dijkstra algorithm and A* pathfinding heuristics
- Improved load and browse times over 50% compared to our competition
- Optimized application speed using code visualization (stack trace, flame graph)

ARBIS
📅 January 2018 – June 2018   📍 Toronto, ON

- Designed a website to administrate and manage room bookings and teachers within a high school
- Used PHP, MySQL and AJAX to create databases, bookings, and asynchronously change data
- Won design contest among other contestants to replace existing room booking system at the school

EXPERIENCE

Classroom Ambassador
University of Toronto
📅 September 2022 – April 2023   📍 Toronto, ON

- Assisted and educated instructors with delivering in person and online classroom lectures and tutorials
- Built and ensured the operation of Intel Crestron teaching stations and various streaming and audio equipment
- Organized and monitored the information technology support of various classrooms throughout the university

Prep Supervisor
Dice
📅 June 2022 – August 2022   📍 Toronto, ON

- Kept track and informed of food quantities and quality in prep, on the line, and in holding
- Improved food prep speeds by 50% by implementing and teaching new cooking methods
- Organized people, prep sheets, and monitored daily food production and inventory in a timely manner

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, HTML, CSS, Java, ARMv7 Assembly, Verilog, MATLAB

Technologies: Git, SQL, Linux, Unix, GDB, React, Firebase, GraphQL PyTorch, TensorFlow, Arduino

Software: Adobe Creative Cloud, Microsoft Office Suite, Typhoon HIL, NI Multisim

EDUCATION

BASc. in Computer Engineering
University of Toronto
📅 2019-2024

Relevant Courses: C, C++, Digital Systems with Verilog Design, Computer Organization (Assembly Language), Software Communication and Design, Algorithms and Data Structures, Software Engineering

Relevant Extra-Curriculars: UTMIST (Machine Intelligence Student Team)