IMRAN YAFITH

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Profile

- Dedicated third-year Computer Science student with a strong foundation in data structures and algorithms and a keen interest in problem-solving and optimizing code efficiency. Seeking developer internships for Summer 2024.
- Proficient in programming languages such as Python, JavaScript, TypeScript, C# and C++.
- Experience working with front-end and back-end tools and technologies including React, Node.js, SQL Server, MongoDB and Firebase.

Skills

Languages:

Python, JavaScript, TypeScript, C#, C++, HTML, CSS, SQL

Technologies & Tools:

React, NextJS, Node.js, Express, MongoDB, ASP.NET MVC / Web API / Core, JSON,

AWS, NumPy, Pandas, Matplotlib, Firebase, Bootstrap, TailwindCSS

Education

Sheridan College   Present - Apr. 2026
Honours Bachelor of Computer Science (Cloud Computing)   **GPA: 3.8/4.0**
Relevant Courses: Enterprise Software Systems (ASP.NET Core & C#),
Data Structures and Algorithms (C++), Cloud Infrastructure (AWS & Python),
Database Modelling (SQL), Web Application Design & Impl. (Angular & Java),
Software Design (Agile design and development methods)

Experience

Naryant (Formerly Inovex)   Oct. 2023 - Present
Research Assistant   *SUMO, Python*

- Employed SUMO (Simulation of Urban Mobility) and OSM (OpenStreetMap) software to simulate traffic flows and obtain relevant data.

Karmy Pain Clinics   Dec. 2022 - Aug. 2023
Research Assistant   *Python, OpenCV, MATLAB*

- Developed an automated pain diagnostic system using AI in Python and MATLAB to improve patient care.
- Improved efficiency of data collection by **30%** using Data Analysis techniques.

Sheridan College   Sep. 2022 - Aug. 2023
Program Tutor   *Python, HTML, CSS, JavaScript*

- Guided and trained first-year students to excel in Programming Principles, an introductory Python course.
- Hosted weekly tutorial sessions to teach fundamental concepts of Object Oriented Programming.

Personal Projects

imranyafith.com ↗   Oct. 2023
Portfolio website (GitHub Link)   *NextJS, TypeScript, TailwindCSS, Git*

- Personal portfolio website created to showcase my skills, experiences and projects.
- Built using NextJS with TypeScript and TailwindCSS for the frontend.

MERN Bookstore ↗   Dec. 2023
Bookstore app (GitHub Link)   *MongoDB, Express, React (Vite), Node.js*

- Node.js, Express and Mongoose was used to create the API that communicates with the database (MongoDB).
- Frontend created using React (Vite) and TailwindCSS. Performs all of the CRUD operations by using Axios to communicate with the endpoints in the backend.

Homebase Automation   Sep. 2023
Shift reminder app (GitHub Link)   *Python, BeautifulSoup4, Playwright, Google API*

- Uses Playwright to run the Homebase app on a headless browser and BeautifulSoup4 to parse the HTML data.
- Adds shifts as events into my Google Calendar using the Google Developer API.