



Syed Nazif Ishrak

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, Racket, EJS, SQL, LaTeX

Frameworks/Tools: Flask, React, Node.js, JUnit, WordPress

Developer Tools: Git, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, Swing, Bootstrap, jQuery, Smtplib, requests

WORK EXPERIENCE

Undergraduate Math Teaching Assistant

Sept 2022 – Present

University of British Columbia

Vancouver, BC

- Demonstrated strong interpersonal and communication abilities in discussion sections
- Patient, upbeat and creative in tailoring instruction to meet individual student needs and learning styles.
- Acquired knowledge of educational technology and methodology in teaching engineering based differential calculus

VP Technical

Aug. 2021 – Present

UBC Quantum Computing Club

Vancouver, BC

- Designed and maintained the club website using CMS like Wordpress and designed UI using CSS/HTML and industry standard plugins
- Implemented a smart login system to manage restricted content for paid members.
- Wrote python script to automate newsletter emails to registered members.

TECHNICAL PROJECTS

ISS Tracker | *Python, smtplib*

July 2022

- Wrote a python script that emails the user when the International Space Station is above them
- Deployed the Open Notify API to track the location of the ISS relative to the user
- Implemented Sunset Sunrise API to retrieve the nighttime of the user's location

Snake and Pong Game | *Python, Turtle*

July 2022

- Simulated a Snake and Pong game using only Turtle module.
- Orchestrated each components using multiple turtle instances and performed domain analysis to catch edge cases
- Full GUI based application with all info displayed graphically
- Converted the .py file to .exe file to run on windows machine

Flash Card and Pomodoro Productivity App | *Python, Tkinter, Pandas*

July 2022

- Created a graphical user interface language learning flash card and pomodoro timer app with python's Tkinter module
- Extracted data from csv files to show the user the words to learn.
- Handled common errors and brainstormed the logic to hide the words that the user learnt already
- Implemented data persistence so that the user can continue from the place they left off.
- Added logic for the pomodoro timer to show cycles completed, ring a sound when session is over, feature to stick the app to the top window

Student Management System | *Java, JSON, Swing*

Jan 2022

- Modeled and developed a GUI student management system that manages a student's database with Java.
- Implemented the Java Swing Framework to layout the components of the GUI
- Used object oriented design approach to implement the functionalities of the project
- Worked with JSON files to save and load the student database.

Personal Website | *HTML, CSS, JS, SASS*

Aug 2022

- Designed a retro UI to showcase my [portfolio](#)
- Used vanilla css and sass to animate certain components
- Utilised JQuery to work with dom and bring interactivity to the website
- View all my projects displayed on my website

AWARDS/ACHIEVEMENTS

UBC Karen McKellin International Leader of Tomorrow 2021 Award: Full Ride Scholarship awarded to 30-40 students from across the world
Gold Medallist: Bangladesh National Economics Olympiad, 2020
Bronze Medallist: International Economics Olympiad, 2020
Champion: NASA Scientist for A Day, 2020
The Daily Star Award: Top achiever in O&A levels examination, 2019

EDUCATION

University of British Columbia
Bachelor of Science in Computer Science

Vancouver, BC
Sept. 2021 – Apr 2025