UBC Science Co-op

Syed Nazif Ishrak

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, HTML,CSS, Racket, SQL
Libraries/Frameworks/Tools:React, Node.js, JUnit, Git, Pandas, Swing, Bootstrap, jQuery

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 scripts in python to automate newsletter emails to registered members.

Co-Founder   Aug. 2018 – May, 2020
Sunnydale Tech Club   *Dhaka, Bangladesh*
- Set up and coordinated coding events, communicating outside the club for services when necessary.
- Determined club budgeting process.
- Initiated CodeForFun program to raise coding interests among school students

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

InPeril | *React Native*   August 2020
- Created a mobile app with React Native that shares the location of the user when the user is in danger
- Worked with react native components, views and stylesheets to design the user screens.
- Orchestrated each components using modular design approach to ensure easy collaboration with partner
- Worked with version control like git to maintain code development and cross-collaboration.

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 and 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 and 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 using Java Swing
- Used object oriented design approach to implement the functionalities of the project
- Worked with JSON files to save and load the student database.

Awards/Achievements

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

Education

University of British Columbia   Vancouver, BC
Bachelor of Science in Computer Science   *Sept. 2021 – Apr 2025*