

Syed Nazif Ishrak

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, C++ Racket, SQL

Libraries/Frameworks/Tools: React, Node.js, JUnit, Git, Pandas, Swing, JIRA, Express

AWARDS/ACHIEVEMENTS

Full Ride Karen McKellin International Leader of Tomorrow Award: Full Ride Scholarship awarded to 10-15 students across the world

Champion: NASA Scientist for A Day, 2020

The Daily Star Award: Top achiever in O&A levels examination, 2019

WORK AND EXPERIENCE PROGRAMS

Undergraduate Math Teaching Assistant

Sept 2022 – Present

University of British Columbia

Vancouver, BC

- Served as TA for Differential and Integral Calculus course, assisting professors and facilitating classroom discussions
- Tutored students individually, helping them to master complex mathematical concepts, and improve their problem-solving skills
- Developed skills in mentoring and teaching by providing one-on-one and group sessions to students who were struggling in the course

Cybersecurity Engineering Virtual Internship Program Participant

September 2022

SAP Forge

USA

- Decrypted and reviewed sensitive documents, such as an Identities document and client's password policy document, using provided passwords
- Conducted research on best practices for preventing phishing attempts and mitigating the risks of a ransomware attack
- Worked and configured virtualbox, modified local security policy to meet organisation's standards
- Contributed to the security and compliance through analyzing and recommending best practices for IT security

VP Technical

Aug. 2021 – Jan, 2023

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.

President

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
- Taught core programming concepts using python to build simple games, write useful scripts to automate tasks like sending emails, renaming or merging files etc

MAJOR TECHNICAL PROJECTS

Uptime Monitor with Raw Node | *NodeJs*

July 2022

- Built a fully-featured RESTful API using pure Node.js
- Implemented user authentication with password hashing and data management
- Utilized routing and API testing with Postman
- Incorporated SMS notifications using Twilio to alert users when any of their monitored links are down
- Developed a stand-alone solution that does not require additional frameworks or libraries, maximizing performance

InPeril | *React Native*

August 2020

- Developed the frontend of 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

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

EDUCATION

University of British Columbia

Bachelor of Science in Computer Science

Vancouver, BC

Sept. 2021 – Apr 2025