Syed Nazif Ishrak

UBC Science Co-op

Software Engineer

Vancouver, BC · (236) 992-0300 · nzfishrak60@gmail.com · linkedin.com/in/nazif-ishrak · github.com/nazifishrak

OBJECTIVE SUMMARY

Second-year computer science student with hands-on experience in full-stack development, passionate about addressing real-world challenges through innovative solutions. Eager to apply my skills and knowledge in an internship that fosters creativity, collaboration, and personal growth.

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA   Vancouver, BC

Bachelor of Science, Major in Computer Science | GPA: 3.9/4.0   Sep 2021 - Apr 2025

Award: $200,000+ KMILOT Full Ride Scholarship

Relevant Coursework: Software Engineering, Computer Systems, DSA, Discrete Mathematics, Statistics

WORK EXPERIENCE AND PROJECTS

SOFTWARE ENGINEERING INTERNSHIP EXPERIENCE PROGRAM   Virtual

JP Morgan and Co   April 2023

- Contributed to the development of a data processing system to analyze stock trading opportunities
- Enhanced user experience of a React application by optimizing graph updates and eliminating duplicate data.
- Employed the Perspective library to create an interactive graph for traders, displaying real-time data on stock price ratios, boundaries, and triggered alerts.

UPTIME MONITOR WITH RAW NODE   PROJECT

Vanilla NodeJs

- Engineered an uptime monitoring application in Node.js without relying on external frameworks or libraries.
- Devised a custom req-res handler for routing, parsing request objects, and determining appropriate route handlers
- Implemented secure token generation and verification using crypto, ensuring user data protection in a JSON database.
- Gained an in-depth understanding of backend systems in Node.js and honed debugging and troubleshooting skills for server-side applications.

UNDERGRADUATE TEACHING ASSISTANT   Vancouver, BC

Mathematics, University of British Columbia   *September 2022- Present*

- Facilitated weekly group discussions for a large lecture course, promoting active engagement and critical analysis of course material.
- Consistently received positive feedback from students and faculty, resulting in high effectiveness ratings and recommendations for future TA positions.
- Supported over 300 students by creating personalized study plans and providing regular feedback, leading to marked improvements in grades and academic performance.

VP TECHNICAL   Vancouver, BC

UBC Quantum Club   Aug 2021 - Jan 2023

- Spearheaded the technical team in developing and maintaining the club's website.
- Rapidly created a project submission platform using React and Node.js, delivering results within a 24-hour deadline.
- Integrated a Quantum Circuit simulator using P5js to demonstrate basic QC operations
- Formulated an effective search engine optimization (SEO) strategy to boost website visibility and ranking.

FLASH CARD AND POMODORO PRODUCTIVITY APP   PROJECT

Python, Tkinter, Pandas

- Developed a Flash Card App using Python and the Tkinter library to facilitate language learning.
- Introduced a "flip card" feature for users to view translations and self-assess their knowledge levels.
- Incorporated pandas library to create a data storage mechanism for tracking user progress and learning experience.
- Implemented advanced timer features, including session completion tracking, notification sounds and a sticky mode

SKILLS, ACTIVITIES AND INTERESTS

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

Tools/Frameworks: eact, Node.js, Git, Tailwind, Postman, Express, JEST