

# Subhan Hanif

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## OBJECTIVE

Computer Science student at York University, graduating in 2025, with hands-on experience in full-stack web development, mobile applications, and embedded systems. Proficient in Java, Python, React, Node.js, and database management, with a strong academic foundation in algorithms, software design, and applied cryptography. Demonstrated ability to design and optimize responsive, user-centered applications and implement scalable solutions across diverse platforms. Passionate about building impactful technology and contributing to innovative software engineering projects.

## RELEVANT EXPERIENCE

### Rue Productions | Vancouver, BC

Aug. 2025 - Nov. 2025

*Web Developer*

- Enhanced the website's interactive interface by optimizing performance, resolving lag issues, integrating logo animations, and ensuring responsive layouts across dynamic screen sizes (mobile, tablet, and desktop).
- Expanded functionality and engagement by developing new interactive elements, implementing automated systems for multimedia updates, and researching AI-driven methods to streamline press release distribution and social media connectivity.

### While She Is True | Winnipeg, MB

Sep. 2025 - Oct. 2025

*Full Stack Developer*

- Developed and maintained a dynamic educational website by integrating a restricted-access classroom page, deploying a blog and resources section, updating content weekly, and showcasing student projects.
- Enhanced site performance and engagement through SEO optimization, codebase cleanup, and seamless integration of new offerings, resulting in a fully branded and functional platform for students.

### Lassonde School Of Engineering | North York, ON

Sep. 2024 - Dec. 2024

*Mobile App Developer*

- Worked in a team to design and develop a cross-platform productivity application for task management and focus tracking.
- Built the front end in React Native, delivering an intuitive, user-friendly interface with smooth navigation and responsive design. Led usability testing and applied iterative design enhancements, resulting in improved task flow efficiency and higher user satisfaction.

## PROJECTS

### Latte's Fitness App | Team Project

Dec. 2024

- Led a team of four in developing a cross-platform mobile fitness tracking application featuring exercise logging, step counting, and calorie monitoring.
- Designed and implemented the front-end in React Native, integrating APIs to deliver personalized health and activity insights. Adopted Agile practices and Git-based version control to ensure efficient collaboration, iterative development, and high-quality code delivery.

### Home Automation Hub | Personal Project

May 2022

- Engineered a microcontroller-based smart home hub using the ATmega328P, integrating sensors (light, sound, moisture) and actuators (OLED display, buzzer, LEDs).
- Programmed system logic in Java via the Firmata protocol and Eclipse AVR plugin, enabling real-time communication between sensors (light, sound, moisture) and actuators (OLED display, buzzer, LEDs). Enhanced user experience with automated device control and real-time monitoring on an integrated OLED interface.

## EDUCATION

### York University | North York, ON

Sep. 2020 - Oct. 2025

*B.Sc. in Computer Science*

- Courses:** Advanced Object Oriented Programming, Computer Organization, Design and Analysis of Algorithms, Embedded Systems, Fundamentals of Data Structure, Software Design, Software Tools, User Interface, Applied Cryptography, Signals and Systems, Theory of Computation, Logic of Computer Science
- Scholarships and Awards:** York University Entrance Scholarship, Lassonde Scholarship

## TECHNICAL SKILLS

**Languages:** Java, Python (Pandas, Matplotlib, Plotly, pytest), JavaScript, HTML, CSS, C, C++, Swift, TypeScript, MATLAB

**Tools and Frameworks:** Node.js, Express.js, React.js, AngularJS, Tailwind CSS, MongoDB, PostgreSQL, MySQL, Git, Figma, Bootstrap, Firebase, AWS