

Barrie, Ontario, Canada
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Hari Nair

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Objective

An energetic & hardworking engineering student with 2+ years of sales experience. Currently pursuing Mechatronics and Robotics Engineering at Queen's University in Kingston, Ontario. A detail-oriented organized and meticulous individual who has worked at fast pace to meet tight deadlines. An enthusiastic team player ready to contribute to company success. Open for summer internships where I can apply my skills & abilities out of the classroom to the real-world environment and meet/connect with new people.

Technical Experience

Robotic Assistive Arm Prototype *SOLIDWORKS, Arduino* *September 2022 – December 2022*

Created a working robotic assistive arm to lift various objects for those who have disabilities. The project included various implications such as complex problem solving, high degree of mathematical modeling, precise CAD designing, and Arduino coding and wiring. Combining everything together, a final, functioning prototype was created.

Pac-Man *C++* *November 2022*

Recreated a version of the game Pac-Man. It provided me with the opportunity to improve my programming skills and deepen my understanding of the C++ language. Through this project, I learned how to utilize functions and objects effectively, process user input and output, and troubleshoot and debug code.

Personal Fitness App *React, HTML, CSS, JavaScript, Rust* *November 2022 - Present*

In early development of building a fitness app using the React Native environment. The framework allows for a smooth user experience on both iOS and Android. We are working on improving and enhancing the app as we continue development.

Personal Website Portfolio *React, HTML, CSS, JavaScript* *January 2023 – February 2023*

Building a portfolio website using React, HTML, CSS, and JavaScript. Showcases skills and abilities and serves as a platform for potential employers to view my work. Building with a modern and intuitive design, providing visitors with an enjoyable user experience. The portfolio will include a timeline of my work, with links to my projects.

Involvement & Experience

Software & System Integration Specialist *Queen's University AutoDrive Team* *October 2022 – Present*

Collaborating with a team on a project to successfully convert a Chevrolet Bolt into a fully autonomous vehicle.

- ROS2 Integration
- Responsible for designing and maintaining system architecture
- Camera & LIDAR Calibrations

Education

Queen's University – Mechatronics and Robotics Engineering (BASc) *September 2022 – Present*

- Newly Exclusive & Prestigious Program with only 75 selected Candidates
- Cumulative GPA: 3.7

Skills

Programming: Java, C/C++, JavaScript, React, CSS, HTML, ROS2, Arduino, Object-Oriented Programming

UI/UX Design: Figma, Photoshop, Premiere Pro

CAD: SolidWorks

Office Suite: Word, Excel, PowerPoint