RITESH PERSAUD

SOFTWARE ENGINEER STUDENT

Toronto, Canada | (440) 749-7797 | riteshpersaud2003@gmail.com
www.linkedin.com/in/ritesh-persaud-6688562a

January 26, 2024

To whom it may concern:

I am looking for opportunities to utilize my software engineering skills learned thus far. As an accomplished software engineer student with extensive experience using both frontend and backend development languages, as well as significant critical thinking, teamwork and problem-solving skills, I am confident I would make an excellent addition to any organization.

My role as a Student Mentor, Researcher, and Developer with Launchpad@Stevens illustrates my level of experience working with software development from initial prototyping to application construction. Using Figma Prototype Design, React.js and Node.js, I have been able to develop three intricately designed web applications containing Functional Component Abstraction with relevant prop passing, React Hooks, and Event Arrow Functions, as well as a seamlessly integrated Backend Webserver.

Furthermore, my role as Lead Software Engineer for the Gallois Autonomous Robot Competition exemplifies my ability to collaborate in a team setting, critically think, and problem-solve on the go. Tasked with creating an autonomous robot capable of navigating an obstacle course and reaching specified targets, while avoiding obstacles obstructing its path, I oversaw the design and construction of a plastic shell using SOLIDWORKS and FlashPrint 3D Slicing and formulated Pathfinding, Target Recognition, and Obstacle Avoidance algorithms using C++ and the Arduino IDE. I was able to lead my team to construct the robot, test, and enter the competition within the allotted time frame. Due to my leadership and precisely calibrated algorithms, my team ended the competition placing 6th out of 150 teams.

My experiences and successes at Launchpad@Stevens and in the Gallois Autonomous Robot Competition demonstrate my record of exceptional programming and critical skills that would enable me to contribute immediately to any organization's performance. I would welcome the opportunity to discuss the unique requirements of a position and thank you for reviewing this letter and accompanying material.

Sincerely,

RITESH PERSAUD

Encl.: Resume