Gursharan Singh

2B Bachelor of Computer Science - Honours (Co-op)

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Education

Bachelor of Computer Science - Honours (Co-op)   Jan 2024 – Aug 2027

Conestoga College

- **key courses:** Computer Architecture, Data Structures and Algorithms, Operating Systems, Programming Principles, Computer Networks, Object Oriented Programming, Software Engineering Fundamentals

Technical Skills

Programming: C/C++, Python, Java, JavaScript, HTML/CSS, Node.js, React.js, VBA, SQL, Bash, MATLAB

Tools and Technologies: Git/GitHub, Docker, AWS, Linux, RESTful APIs, Azure Boards, Jira

Software Development Practices: Agile methodologies, Test-driven development, Version Control

Experience

Web Developer (Freelance)

Construction Duty, United Kingdom - Remote   Sep 2024 – Oct 2024

- Led the development of key components for Construction Duty's website, with a primary focus on enhancing the footer section to improve navigation and user engagement.
- Collaborated with the team to ensure the website's design and functionality effectively highlighted the company's expertise in the construction industry.
- Used React to make the website dynamic and responsive, contributing to a seamless user experience and a 30% increase in user interaction.

Anisngo, Non-profit organization   June 2024 – July 2024

- Built a website for anisngo, a non-profit organization, focusing on promoting their mission for charity services.
- Used WordPress to create a budget-friendly platform, while maintaining professional and impactful online presence.
- Worked closely with the ANIS team to ensure the site met their goals, resulting in 100+ donations within the first week.

Projects

Hi-Jack: A Blackjack Game

- Developed a game promoting responsible gaming, helping users enjoy Blackjack without financial risks.
- Implemented core game logic in C++, ensuring real-time responsiveness and scalability.

RideWise: Smart Driver Analytics for Parents

- Implemented an app using Flutter that allow parents to track their children's driving behaviour in real-time using google maps and geolocator Api.

Elliptical Monitoring Application

- Developed a Graphical User Interface using PyQt for Elliptical machine, capable of monitoring user's speed, resistance, incline, heart rate, step count, calories burned, and distance.