

Harsimran Singh

✉ singh542@uwindsor.ca ☎ +1 (647) 975- 4138 [in linkedin.com/in/harsimran-singh96](https://www.linkedin.com/in/harsimran-singh96)
github.com/Harsimran1308 singhharsimran.com 📍 4729 Creditview Rd, Mississauga, ON

SUMMARY

- **Experienced and adaptable software engineer** with a recent master's degree in applied computer science and a keen interest in **software development** and **cloud infrastructure**.
- **Collaborative team player** with demonstrated track record of communication and effectively working with **cross-functional teams** to achieve project goals.
- Proficient in multiple programming languages, including **Java** and **JavaScript**, with hands-on experience in **React**.
- Recognized for performance excellence and contributions to success in **software product development**.

TECHNICAL SKILLS

Programming Skills: Java, Python, JavaScript, HTML, CSS, C, C++, PHP

Frameworks: React, Spring Boot, Bootstrap, Laravel, JUnit

Databases: SQL, MySQL, MongoDB

Cloud Platforms & Enterprise Tools: Amazon AWS, Google Cloud Platform (GCP), Docker, Kubernetes, Terraform, Jenkins, Helm, Travis CI

Development Environment: Windows, Linux, Visual Studio, JetBrains, IntelliJ

Others: Git, Agile (Scrum), Konga, Selenium, Jsoup, JSON, Ajax, OOP Concepts, MVC, Microservices architecture, RestAPI's

EDUCATION

Master of Applied Computer Science

University of Windsor, Windsor, ON

Sep 2022 – April 2024

GPA: 83/100

Bachelor of Engineering – Computer Science

Chitkara University, Chandigarh, India

Aug 2015 - June 2019

GPA: 84/100

Achievement: Held position of **President** and **Technical Team Lead** within Google Student Developer Club, where lead a team in developing facility management projects.

PROFESSIONAL EXPERIENCE

Software Developer Coop

CGI, Canada

Sep 2023 - April 2024

Tech Stack: Google Cloud Platform (GCP), Terraform, Jenkins, Docker, Kubernetes, MongoDB, Python

- Worked on a project to establish a secure and scalable cloud infrastructure on **Google Cloud Platform (GCP)** for a banking application.
- Implemented **Infrastructure as Code** using tools such as **Terraform** to automate the provisioning and management of cloud resources, ensuring consistency and efficiency.
- Integrated **monitoring** and **alerting** systems to ensure proactive identification and resolution of potential issues, optimizing the overall system reliability.
- Actively participated in the **Dragons Den AI Hackathon** and developed an **AI-powered chatbot** designed specifically for handling custom PDF documents.

Software Developer

April 2019 - June 2022

247 Software, Pune, India

Tech Stack: JavaScript, React, NodeJS, Java, Spring Boot, MongoDB, SQL, PHP (Lumen), Git, Jira, AWS

- Worked on 6 projects (end-to-end and POCs) to deliver a highly functional and scalable **SaaS-based web platform**, with a focus on creating intuitive and engaging user experiences.
- Engaged in **Agile/Scrum development**, actively participating in sprint planning, daily stand-ups, and retrospectives.
- Developed **Cross Platform Notification services, Working Schedule Calendar Layouts, PDF Report Generation**, and **Export Excel Services** using React and NodeJS.
- Deployed APIs on **Amazon EC2** instances utilizing **Spring Boot**, resulting in improved efficiency and seamless data sharing.
- Successfully automated the **website localization process** leveraging **GitHub** and **Transifix**, reducing manual effort and significantly improving the turnaround time for launching new language versions.

ACADEMIC PROJECTS

Used Car Price Prediction (Group Project)

Jan 2023 - April 2023

University of Windsor, Canada

Technologies: React, Python, MongoDB, Git, Jenkins

- Led a collaborative team of four members in developing a dynamic web application, designed to enable users to efficiently **predict car prices** by inputting parameters such as model, mileage, brand, and engine specifications.
- Created a **Python Web Scraper** to extract relevant data from multiple car websites, subsequently applying a **neural network model** to accurately predict car prices based on collected data.
- Leveraged React to create web-based front-end, employed **Python FastAPI** to build the **RESTful API**, and adopted the **Model-View-Controller (MVC)** design pattern to facilitate development of a robust and maintainable application.

Smart Device Management (Group Project)

Sep 2022 - Dec 2022

University of Windsor, Canada

Technologies: Flutter, Python, Java, MySQL, MongoDB, Git

- Collaborated with team of 6 members to devise mobile application for user to maintain and **check working condition** of different **smart devices**.
- Applied **Flutter** to develop cross-platform mobile apps and **Python** to build and train model for detecting any anomalies in smart device.
- Facilitated use of different **software development methodologies** for product development, deployed Jira for project management and git for version control and collaboration.
- Applied a meticulous approach to **technical documentation**, producing comprehensive and clear technical design documents that encompassed **system architecture, data models, integrations, and external dependencies**.

AWARDS AND ACHIEVEMENTS

- Received "**Newbie Star**" from Engineering Director for **outstanding performance** as a new employee and taking initiatives for performance optimization of Mongo databases.
- Winner of the **Ideator award** in the **Dragons Den AI Hackathon** held at **CGI**, recognizing exceptional creativity and problem-solving skills.
- **President** of 3CTECH (Coding Club) at **Chitkara University** in 2017.