

# Meharvaan Singh

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## EDUCATION

**Sheridan College Institute of Technology and Advanced Learning**  
Advance Diploma in Software Development and Networking Engineering  
Program GPA: 3.78

Aug 2021 – Dec 2024  
Oakville, ON

## EXPERIENCE

**Full Stack Developer**  
*Digital Transformation Branch, Health Canada*

Aug 2023 – March 2025  
Ottawa, ON

- Delivered high-quality code across Blazor, .NET Core, JavaScript, and SQL, contributing over 7K lines in Agile sprints
- Developed and optimized complex SQL scripts using Microsoft SQL Server, improving query performance by 20%
- Collaborated closely with testing and accessibility teams, achieving a 98% bug resolution rate and maintaining a post deployment bug occurrence rate of less than 2%
- Conducted rigorous testing, debugging, and proactive code reviews, reducing post-launch issues by 15%

**Software QA Engineer**  
*Evertz Microsystems*

Dec 2022 – Apr 2023  
Burlington, ON

- Developed and executed automated testing scripts using Python and Bash, leveraging Selenium and libraries such as PySNMP, Telnet, and Requests, reducing manual testing time by 40% and increased test coverage by 30%
- Built internal console applications to streamline customer-facing diagnostics, improving team efficiency
- Developed test frameworks and scripts for API testing using Python (Requests) and tools like Postman
- Worked with different transcoders, routers and network protocols like SNMP, TCP/IP, HTTP, DNS and DHCP

## PROJECTS

**Lifeline** | *Express JS, React JS, Open AI, RESTful API, Firebase, Git, HTML5/CSS3*

Jan 2024 – Nov 2024

- Collaborated with a team of developers to build a productivity web app using React.js and Express.js, which earned 1st place at Sheridan's Capstone Showcase 2024 for its innovative AI integration and exceptional execution
- Contributed to develop a REST API with Express.js to handle routing, middleware and Firebase Realtime Database
- Integrated Firebase Authentication for secure, federated user login, managing access control with JSON Web Tokens
- Designed and deployed an AI-driven feature set, including NLP-based data extraction and real-time calendar updates

**Flash OTP** | *JavaScript, GCP, Gmail API, OAuth 2.0, Git, HTML5/CSS3*

Jan 2025 – Feb 2025

- Developed a Chrome extension that securely retrieves OTP codes from Gmail with a single click, streamlining login processes across platforms such as social media, banking, government services, and so on
- Integrated Gmail API and OAuth 2.0 using GCP to authenticate users and parse emails for time-sensitive OTP codes
- Ensured strong privacy and seamless experience with a clean UI and real-time OTP detection, reducing login friction

**Live Play** | *JavaScript, RESTful API, Git, HTML5/CSS3*

Jan 2024 – Mar 2024

- Developed a Chrome extension Integrating RESTful APIs to retrieve and display real-time cricket match data and news
- Implemented comprehensive features, including a dark mode toggle with persistent user settings, dynamic league-based match filtering, and live news feed rendering via API integration
- Successfully deployed extension to the Chrome Web Store, achieving a 5-star rating for its performance

## CERTIFICATIONS

**Python Essentials by Cisco**  
**Cyber Threat Management by Cisco**

Credentials: <https://www.credly.com/badges>  
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## TECHNICAL SKILLS

**Languages:** Java, Python, C#, JavaScript, SQL, HTML5/CSS3, Kotlin

**Testing Tools:** Selenium, Postman, JUnit, Bash, JIRA

**Frameworks:** Spring Boot, ASP.NET Core, Blazor, Express JS, Node JS, Swift UI

**Tools and Technologies:** Linux Ubuntu, GCP, MySQL, Microsoft SQL Server, MongoDB, AWS, Kafka, React, Apache Hadoop, Jenkins, Firebase, GIT, Azure DevOps, Figma, Adobe XD, VirtualBox