

# Harsh Panchal

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## TECHNICAL SKILLS

**Languages:** Bash, C, C++, CSS, Dart, HTML, Java, JavaScript, Python, R, SQL, TypeScript, YAML

**Tools:** Azure, Databricks, Docker, Flutter, GitHub, Jira, JFrog, Kubernetes, Linux, LoadRunner, Postman, ServiceNow

**Principles:** Agile, Data Structures & Algorithms, Object-Oriented Programming, Scrum, Test-Driven Development

## EXPERIENCE

**Sun Life**

*Site Reliability Analyst Intern*

September 2025 - Present

Toronto, ON

- Developed and executed **API scripts** using **OpenText VuGen** for **performance testing**, ensuring accurate simulation of real-world scenarios.
- Validated test results in **LoadRunner** simulating **2000+** users, identifying performance bottlenecks and contributing to **system reliability** assessments.
- Reduced manual effort by **automating** deployment and configuration tasks through **Ansible Tower**.
- Applied **Test-Driven Development (TDD)** principles to ensure high code quality, reducing post-deployment bugs.

**Government of Ontario**

*Data Engineer Intern*

May 2024 - August 2024

North York, ON

- Leveraged **Databricks** and **Azure Data Storage** to manage and process **10+** large datasets, optimizing data workflows and enhancing storage efficiency.
- Developed and optimized **Python and SQL scripts** for data ingestion and transformation, improving data integrity by implementing a duplicate removal process across **bronze, silver, and gold data layers** eliminating **100%** of duplicates.
- Automated** updates to the **data catalog and environment variables**, reducing manual update time by **50%** and ensuring consistent data management across multiple environments.
- Ensured **data security and compliance** with strict government protocols, contributing to the successful execution of a confidential project by adhering to rigorous confidentiality standards.

**Manulife**

*Platform Reliability Engineer Intern*

September 2023 - April 2024

Toronto, ON

- Expertly managed and maintained artifacts using **JFrog Artifactory** with **500+** local, remote, and virtual repositories.
- Led development of creating and maintaining a status page of **cloud components** in use for internal employees, with **Angular, TypeScript, and YAML** for workflows to **Azure**, serving live status info for **200+** employees.
- Developed a **Cloud Community Hub** using **Microsoft Power Apps**, centralizing resources for **100+** employees, and integrating dynamic features to enhance productivity.
- Optimized resource management through **Bash scripting** for **Azure Kubernetes Service (AKS)**, leading to a improvement in application scaling.
- Collaborated within a **Scrum framework** to plan, execute, and monitor project tasks, ensuring efficient project management and timely delivery of cloud-based solutions.

**Eclipse Creations**

*Full-Stack Developer Intern*

May 2023 - August 2023

Toronto, ON

- Developed and maintained web modules using the **.NET framework**, enhancing performance and scalability of applications.
- Implemented automation with **Python** and **GitHub Actions** to fulfill **40+** dev requests per week, saving **8+** hours.
- Maintained detailed **technical documentation**, facilitated knowledge sharing within the team through **daily stand-ups**.

## PROJECTS

**HelloChef** | Dart, Flutter, Google Sign-In, Supabase, SQLite



- Developed a **cooking-safety Android app** with a user-friendly, visually appealing interface to deliver lessons, exercises, and interactive quizzes for culinary learning.
- Leveraged **Supabase** and **Google authentication** to implement achievement tracking and a secure online community.
- Implemented **SQLite** and local storage to efficiently manage lessons and user progress, reducing data load times by **40%** and improving overall app performance.

## EDUCATION

**University of Ontario Institute of Technology**

*Bachelor of Science in Computer Science*

September 2021 - April 2026

Oshawa, ON

- Relevant Courses:** Analysis & Design of Algorithms, Artificial Intelligence, Computational Science, Computer Architecture, Compilers, Data Structures, Database Systems, Information Visualization, Mobile Devices, Operating Systems