

Harsh Panchal

✉ harshpanchalv@gmail.com 📁 Projects 🌐 @HarshPanchal01

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 Financial

September 2025 - Present

Site Reliability Analyst Intern

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.
- Applied **Test-Driven Development (TDD)** principles to ensure high code quality, reducing post-deployment bugs.

Government of Ontario, Ministry of Health

May 2024 - August 2024

Data Engineer Intern

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 Financial

September 2023 - April 2024

Platform Reliability Engineer Intern

Toronto, ON

- Expertly managed and maintained artifacts using **JFrog Artifactory** with **500+** local, remote, and virtual repositories.
- Collaborated in creating and maintaining a status page of components in use for internal employees, with **Angular, TypeScript, and YAML** for workflows to **Azure**, reducing incident reporting.
- Developed a **Cloud Community Hub** using **Microsoft Power Apps**, centralizing resources for **100+** employees, and integrating dynamic features to enhance productivity.
- Optimized resource management on **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.

PROJECTS

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

[🔗 GitHub](#)

- 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 **half** and improving overall app performance.

BrainWave | Dart, Flutter, Google Maps, GPT-4o, SQLite

[🔗 GitHub](#)

- Developed an intelligent **note-taking Android app** integrating **AI-powered summarization and suggestion features** to enhance user productivity and organization.
- Implemented **smart reminders and location-based alerts** using the **Google Maps API** and background services, enabling users to manage **100+ active reminders** with real-time triggers.
- Designed a robust note management system with **folders, tagging, and search capabilities**, improving content accessibility and reducing retrieval time.

EDUCATION

University of Ontario Institute of Technology

September 2021 - April 2026

Bachelor of Science in Computer Science

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