

Aryaan Sheth

Linkedin: aryaansheth

Email : avsheth03@gmail.com

Github: AryaanSheth

EDUCATION

McMaster University

Bachelors in Honours Computer Science, Minor in Anthropology

Hamilton, ON

Expected Graduation 2027

- Courses: Object Oriented Design, Data Structure and Algorithms, Database Design, Concurrent Systems

SKILLS

- **Languages:** Python, Java, C/C++, C#, Golang, HTML/CSS, SQL(PostgreSQL, MySQL, IBM DB2, Oracle), JavaScript
- **Tools:** Git, Docker, Maven/Gradle, Azure (DevOps), Spring Boot, AWS (S3, EC2, Lambda, DMS, RDS), .NET Core, JUnit

EXPERIENCE

Cloud Analyst Intern

Sun Life Financial

Waterloo, ON

Jan 2025 Incoming

Software Engineer Intern

Sensor Technology Ltd.

Collingwood, ON

May 2024 - December 2025

- Developed a custom **TCP/IP** network protocol wrapper and custom software to interface with proprietary hardware in real time using **C#** and **.NET Core** to facilitate real-time data analysis and visualization
- Developed **Bash** and **PowerShell** scripts to automate and manage **Python** environments across user machines to streamline development and testing processes by **40%**
- Developed a **Go** backing using **FiberV2** to interface with **IOT** devices in real-time using **Nix** to manage dependencies. Hosted on a local server via **NGINX** for secure access and **Load Balancing**. Developed frontend using **NextJS** and **Typescript**
- Migrated legacy **Winforms** applications to cross-platform solutions via **Avalonia** using **.NET 9.0**. Integrated with **Azure PostgreSQL** for data storage and analysis using **Entity Framework Core**

Software Developer Intern

Innovation, Science and Economic Development Canada

Ottawa, ON (Remote)

May 2023 - Dec 2023

- Reduced operational costs by over **25%** and increased service uptime to **99.9%** by performing cloud-based database migrations leveraging **AWS Database Migration Service (DMS)** and **Schema Conversion Tool (SCT)**
- Developed **HTTP** mock server requests using **Java Spring Boot** and **Red Hat JBoss** to fetch unique server uri's on startup to avoid user re-login on system restarts and added unit tests using **JUnit** to cover changes
- Automated **SQL** query generation to reduce time spent on data analysis by **50%** using **Python (Pandas)** scripts
- Engineered **AWS Sagemaker** Machine Learning Pipeline with **AWS S3** for predicting e-commerce customer churn. Achieved **98%** accuracy using **XG-Boost**, **Hyper Parameter Tuning**, and optimized the AUC with **Binary Logistic Regression**

Full Stack Developer

CollegeSouk

New York, NY (Remote)

Sept 2022 - April 2023

- Developed scalable backend **REST API** following MVC architecture using **Java Spring Boot** and **MongoDB**, supporting over 9000+ active users
- Developed **Redux RTK** endpoints to allow for complex communication between internal servers to facilitate large-scale data transfer generated via API requests

PROJECTS

tAIket

Deltahacks X

Winner

MedX Challenge

- Developed a text analysis tool using **PyTorch**, and **HuggingFace** for cosine similarity to create a fuzzy document parser with **NLTK**, achieving **90%** keyword extraction accuracy

gopsd

Go Package

- Developed a **Go** package to interface with the **Linux** systemd GPS daemon to fetch GPS data in real-time and parse it into a usable format for applications