

SRIRAM RANGAN

CONTACT

416-895-2359
sriram.rangan@tehn.ca
sriram-r.com
Toronto, ON

SKILLS

Languages

SQL, R, PHP, HTML, CSS, Python, C++, Ruby, VB

Frameworks and Libraries

Laravel, Alpine.js, Tailwind.css

Visualization Programs

Tableau, Power Bi

AI and Machine Learning

Matplotlib, Jupyter Notebook, MATLAB

Office

MS Office, MS Project

Hardware Programming and Other

Raspberry Pi, Arduino, MQTT, LabVIEW, Oracle VM (Ubuntu)

CERTIFICATIONS RECEIVED

Bachelor of Technology – Automation Engineering Technology (McMaster University)

Chemical Engineering Technology – Process Automation Advanced Diploma (Mohawk College)

Business Management Certificate (Mohawk College)

Fanuc CERT Level 1 Certificate (Mohawk College)

Google Data Analytics Professional Certificate (Coursera)

EDUCATION

Google Data Analytics Professional Certificate

Coursera

Mar 2022 - Sep 2022

- Learned how to clean and organize data and complete analysis using spreadsheets, SQL, and R.
- Visualized and presented data findings with visualization platforms such as Tableau.

Bachelor of Technology (Co-op) - Automation Engineering Technology

McMaster University

Sep 2015 - Dec 2020

- Technical background with controls and hardware automation such as electric sensors, motors and PID controllers as well as web development, OOP, data manipulation, and IoT.
- Business background in quality assurance, operations management, and project management

WORK EXPERIENCE

Registration Clerk - Emergency Department

Michael Garron Hospital

Jan 2022 - Present

- Process 100-150 patients daily by coordinating with Nurses, EMS, and Law Enforcement in a dynamic ER environment to oversee patient flow efficiently.
- Effectively prioritize and manage multiple competing tasks while communicating with relevant staff and patients.
- Collect patient information with attention to detail and handle the data with care and confidence.
- Train new staff on required software and hospital procedures.

Unit Clerk - Vaccine Clinic

Michael Garron Hospital

Apr 2021 - Jan 2022

- Elevated to supply management responsibilities; prepared pharmacy and clinical supplies for 5-9 TEHN mobile clinics on a daily basis.
- 70%+ increase in recovered and reused materials from returned clinical supplies.
- Fulfilled additional roles handling test kits for COVID assessment centres and the school outreach program.
- Learned various hospital programs such as ESM, Cerner PowerChart, Conversation Launcher, and COVaxON quickly and efficiently.

Lab Development Assistant – Machine Health and Remote Monitoring

McMaster University, Faculty of Engineering

Jun 2020 - Aug 2020

- Edited and re-wrote instructions for 5 projects to be repurposed for a virtual environment at the onset of the COVID-19 pandemic.
- Learned to integrate Raspberry Pi, Arduino, and MQTT for IoT applications from scratch within a 1-week period to develop 4 new lab projects demonstrating their applications; optimized project development process resulted in 40% cut in production time.
- Documented newly developed projects into detail manuals to be reproduced by students in a virtual environment.