SRIRAM RANGAN

CONTACT

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🌐 sriram-r.com

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)

Chemical Engineering Technology – Process Automation Advanced Diploma (Mohawk)

Business Management Certificate (Mohawk)

Fanuc CERT Level 1 Certificate (Mohawk)

Google Data Analytics Professional Certificate

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

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WORK EXPERIENCE

Lab Development Assistant – Machine Health and Remote Monitoring

McMaster University, Faculty of Engineering   Jun 2020 - Aug 2020

- Amended existing lab instructions for the Machine Health and Remote Monitoring course for a virtual environment during the COVID-19 pandemic.
- Developed new lab projects which integrate the use of Raspberry Pi, Arduino, and MQTT for IoT applications and then documented them into detailed manuals.
- Optimized project development by cutting time by up to 30% and beating deadlines.

Web Developer Intern

Empower Health   Jun 2019 - Aug 2019

- Developed Ruby scripts that would retrieve healthcare practitioner and provider data from various health websites.
- Streamlined script development process, thereby reducing average project time from 2.5 weeks to 1 week.
- Retrieved and process record data for 5000 healthcare practitioners and 1500+ providers by utilizing HTML, JavaScript, JSON, and Nokogiri.

System Analyst/Web Developer

McMaster University, Faculty of Engineering   Jan 2018 - Dec 2018

- Gained working knowledge of PHP, HTML, CSS, MySQL to develop Laravel projects utilizing MVC structures and relational databases.
- Worked with multi-disciplinary team to develop a web application that marked CAD assignments submitted by students, with key responsibilities in developing and assigning roles and permissions.