

Soorya Saravanapavan

sooryasaravanapavan@gmail.com | +1 819 930 4965

EDUCATION

UNIVERSITY OF OTTAWA

B.ASc SOFTWARE ENGINEERING
(2018-2023)

LINKS

Github:// **Suri111200**

LinkedIn:// **soorya-s**

COURSEWORK

Data Structures and Algorithms
Intro to Software Engineering
Computer Architecture
Digital Systems
Introduction to Programming

SKILLS

PROGRAMMING

Python

Previous experience with
OpenCV-python, paho-mqtt,
NumPy Utilized extensively at
ZeMA

Java

- Intermediate knowledge of syntax, mathematical operators, variable types, branching, loops, methods, and Japplets
- Utilized extensively in coursework and side projects

C

- Knowledge of syntax, variable types, loops, and functions
- Utilized to develop an autonomous robot

Git

- Consistently used for version control over the past 2 years
- Multiple organizations and repositories on Github

EXPERIENCE

ZEMA GMBH | PRODUCTION ENGINEERING INTERN

May 2019 – August 2019 | Saarbrücken, Germany

- Extensively utilized Python packages such as OpenCV, Paho-MQTT, and NumPy
- Developed a human assistance system for smart production lines to decrease human error and increase efficiency
- Wrote Python scripts using OpenCV to find and locate desired items on the production line in real-time
- Worked with MQTT and TCP protocols to establish two-way communication with other smart devices within the production line
- Wrote Javascript functions and utilized new technologies such as Node-RED to connect and coordinate various devices within the system

INFINITE OUTSOURCING SOLUTIONS | SOCIAL MEDIA MANAGER

July 2018 – August 2018 | Toronto, Canada

- Studied social media algorithms to implement strategies to improve visibility of company online
- Familiarized with and frequently utilized Facebook, LinkedIn, Instagram, Twitter, Google+
- Automatically fetched, compiled, and displayed social media statistics and graphs on Google Spreadsheets to efficiently monitor progress
- 27,000% increase in Facebook views per week, 200% average increase in page likes/follows across all social media

PROJECTS

TURNER FENTON SKILLS ROBOTICS | TEAM LEADER

Nov 2017 – May 2018 | Brampton, Canada

- Gained software development experience by using Version Control (Git) as well as RobotC (C – based programming language) extensively
- Learnt about the design process by partaking in design of the mechanical, electrical, and software aspects
- Gained management skills by coordinating team actions and meetings
- Gained time management skills by designing and building a tele-operated robot within 4 months, autonomous robot within 2 weeks
- 1st place overall in School district, 5th place in Ontario (Tele-Operated)

TURNER FENTON MUSIC COUNCIL | SENIOR AUDIOVISUAL HEAD

Jun 2017 – Jun 2018 | Brampton, Canada

- Developed planning skills by creating plans for setup, testing, and operation of audio and lighting equipment for school events
- Developed communication and teaching skills through training team of 10 people to use audiovisual equipment correctly
- Performed routine inventory checks and tests on equipment, reported malfunctioning equipment