

ABILARSH VIJIANANTHAN

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SKILLS

Languages: Python, Java, Groovy, C, HTML, CSS, JavaScript

Technologies: AWS, Docker, Selenium, Linux, Android Studio, Git, Kafka, OpenCV, Arduino

EXPERIENCE

Snowflake Jan 2022 - Apr 2022
Software Engineer Intern Remote, Ontario

- Container Platform Team

Amazon Web Services (AWS) Jun 2021 - Aug 2021
Professional Services Intern Toronto, Ontario

- Architected a serverless infrastructure for a web app utilizing **S3, Lambda, DynamoDB, and CodePipelines**
- Built CI/CD pipelines for the website and backend Lambda APIs, deployed using **CloudFormation**
- Obtained the AWS Certified Cloud Practitioner Certification

Loblaw Companies Limited Apr 2020 - Apr 2021
Analyst Intern - Intelligent Automation Brampton, Ontario

- Developed automation scripts with **Groovy, Selenium, Powershell and Bash** to replace business/IT processes
- Conducted meetings to understand business processes and automation possibilities
- Assessed potential benefits and savings of an automation to determine its feasibility

McMaster University May 2019 - Aug 2019
Technical Assistant Hamilton, Ontario

- Developed in house, end-to-end **LoRa** network and infrastructure using **Docker, RPi, InfluxDB and Arduino**
- Created **Android** app comparing access times between MQTT, RabbitMQ (AMQP), Kafka, and DDS
- Set up **Kafka** pipeline from OPC UA Server to retrieve server cooling data for monitoring and visualization
- Built IoT demo station showcasing various microcontrollers and communication protocols to stakeholders

PROJECTS

BlockVote (Hack the North 2019) | *Algorand, Firebase, React* Sept 2019

- Created a Blockchain based voting web app utilizing the Algorand blockchain network
- Designed a RESTful backend server enabling events and votes to be stored persistently on the network

Smart Unlock (UoftHacksVI) | *Python, Flask, Android (Java), Azure* Jan 2019

- Developed an **Android** App that enables facial authentication to unlock their vehicle
- Set up SmartCar API backend using **Python** and **Flask** to handle unlocking the vehicle
- Utilized **Microsoft Azure's** Face API (Face Verification) to verify facial features

Boston Sidewalk Ratings (BostonHacks) | *Python, CustomVision.ai* Nov 2018

- Built an **image classifier** that determines the quality of sidewalks for the City of Boston
- Trained image recognition model using Microsoft's CustomVision.ai
- Tested model with images gathered from the Google StreetView API, and outputted the results to a webpage

EDUCATION

McMaster University Sept 2017 - Apr 2022
B.Eng in Electrical Engineering Co-op, 4th Year Hamilton, Ontario

Online Courses
Udemy/Lynda.com

- Audited courses on Groovy, Docker, OpenCV, JavaScript, HTML, and CSS