

# Sylvester Ranjith Francis

548-333-4865

sfrancis5728@conestogac.on.ca

<https://github.com/sylvester-francis>

APT-4 74 Marshall Street N2J2T4

[www.linkedin.com/in/sylvesterranjith/](http://www.linkedin.com/in/sylvesterranjith/)

## EDUCATION

### Conestoga College, Waterloo, Ontario

- *Post Graduate Certificate (Co-op)*, Big Data Solutions Architecture, Jan, 2022 - Dec 2022(Expected),GPA: 3.93
- *Post Graduate Certificate (Co-op)*, Computer Application Security, Jan, 2021 - Dec 2021,GPA: 3.88

### VIT University, Vellore, India

- *Masters*, Computer Science and Technology, Jul, 2018 - Jun 2020

### Anna University, Chennai, India

- *Bachelors*, Computer Science and Engineering, Aug,2012 - Apr 2016

## ACADEMIC ACHIEVEMENTS

- Graduated with honors - High Distinction for Computer Application Security. (Conestoga College)
- Mentored fellow masters students along with PhD scholars conducting sessions on Python and Machine Learning. (VIT University)
- Received a letter of Appreciation for spear-heading an industrial project with TVS India PVT.LTD. (VIT University)

## TECHNICAL SKILLS

- **Databases:**MongoDB,CouchDB,Cassandra,MySQL,Firebase,Redis,Orion SWDB.
- **Data Analysis Tools:**Hadoop,Hive,Pig,Sqoop,Spark,Kafka.
- **Automation and Monitoring Tools:** Ansible,Ansible Tower,Logic Monitor.
- **Web Development:**HTML,CSS,JavaScript,Bootstrap,ReactJS,Angular,Node.js.
- **Applications:**Visual Studio,Android Studio,Github,VirtualBox, VMware,Vsphere.
- **Deployment Platforms:**AWS,Azure,GCP,Linode,,Heroku,Openshift.
- **ML Frameworks:**Scikit-learn,Tensorflow,Dialogflow,Pytorch and Keras.
- **Operating Systems:** Unix,Linux,Mac OSX,Windows,Android,Kali Linux.
- **Other Tools:**Git,Bitbucket,Trello,Asana,Jira,LaTeX.

## EXPERIENCE

### Network Analyst Part-time

Jan 2022 - Present

Descartes Systems Group

Waterloo, ON

- Responsible for maintaining and performing ad-hoc modification of the automation tool built for the Network team.
- Initiating a migration effort of existing tool to Ansible Tower and Architecting the migration effort to Ansible tower.
- Responsible for on-boarding,training and mentoring a new co-op student with the common tools and best practices used in the organisation.
- Planning an initiative for a proof of concept utilising Logic Monitor as a primary monitoring tool for the network team's automation efforts.

**Network Analyst Co-op**

Descartes Systems Group

Sep 2021 - Dec 2021

Waterloo, ON

- Automated processes related to Network Monitoring, worked with devices from different vendors like Cisco,Juniper,Checkpoint utilising Python,Ansible and SolarWinds Orion DB to generate statistical reports for both NA and EMEA regions.
- Wrote many CRON jobs to automate generating reports from device statistics using different modules from Ansible and Python.
- Demonstrated Excellent Work Ethic, Organisational skill,Team Ethic and On-time delivery of tasks assigned.

**Software Development Intern**

Valeo

Jun 2019 - Mar 2020

Chennai, India

- Developed traceability tool to automate time consuming tasks,using Python,Qt and several other analysis and parsing techniques resulting in a 75% efficiency increase.
- Built an Object Detection model using TensorFlow Object Detection API capable of running on an embedded Renesas Processor.

**Technology Consultant**

Sathya Technosoft

Jun 2016 - May 2019

Chennai, India

- Managed IT staff monitoring,diagnosing server and data centre problems.
- Migrated the existing services to AWS and Azure based solutions, optimising the workflow of several clients.

**PUBLICATIONS**

- Predicting the Existence of Brain Tumour in MRI Images by Applying FCNN  
Published in July 2020  
Link:<http://ijop.net/index.php/mlu/article/view/1426/1299>

**CERTIFICATIONS**

- Amazon Cloud Certified Practitioner - Amazon  
Jun 2020 - Jun 2023