

# Sylvester Ranjith Francis

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## 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**

Descartes Systems Group

Jan 2022 - Present

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