

SYLVESTER RANJITH FRANCIS

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Experienced Software Developer transitioning to Data Analysis, with 5 years of Python expertise, adept at utilizing analytics libraries to derive insights from data.

Python 3	-	Java	-	TensorFlow	-	Scikit-Learn
Pytorch	-	Matplotlib	-	NumPy	-	Pandas

WORK EXPERIENCE

Software Developer – Descartes Systems Group, Sorel Tracy

01/2023 - present

- **Software Developer:** Proficient in .NET technologies, crafting efficient code and leveraging SQL Server. Skilled in responsive web development using HTML, CSS, and JavaScript.
- **Database Management:** Knowledgeable in SQL Server, Entity Framework, and LINQ, optimizing queries and ensuring effective data management.
- **Collaborative Agile Contributor:** Effective team player with strong communication skills, experienced in CI/CD scripting for automated deployment across environments.

Network Analyst – Descartes Systems Group, Waterloo

09/2021 - 12/2022

- **Advanced Analytical and Automation Skills:** Utilized Python, Ansible, and SolarWinds Orion DB to automate Network Monitoring processes, generating statistical reports across NA and EMEA regions. Employed CRON jobs for automated report generation using various Ansible and Python modules.
- **Organizational Excellence and Team Collaboration:** Exhibited exceptional organizational skills, fostered strong team dynamics, and consistently delivered tasks promptly. Spearheaded maintenance and enhancements of automation tools for the Network team.
- **Strategic Leadership and Tool Enhancement:** Pioneered the migration of an existing tool to Ansible Tower, architecting the transition. Facilitated onboarding, training, and mentorship for a new co-op student, aligning them with organizational tools and best practices. Initiated a successful proof of concept using Logic Monitor as a primary monitoring tool for network automation efforts.

Software Engineer - Valeo, Chennai

06/2019 - 03/2020

- **Elevated Data Cleansing and Analysis Expertise:** Created an automated tool leveraging Python, Qt, and NLP parsing methods, leading to a substantial 75% boost in efficiency.
- **Innovative Problem Solving:** Envisioned an Object Detection model utilizing TensorFlow Object Detection API, designed to operate on an embedded Renesas Processor.
- **Effective Collaboration and Customized Solutions:** Collaborated seamlessly with Cairo Research center teams, gaining insights into workflows, and crafting tailored automation tools for daily operational enhancement.

1. **Enhanced Cloud-based Workflow:** Transferred services to AWS and Azure, optimizing operations for high-profile clients.
2. **Android Optimization and Modernization:** Overhauled legacy Java to Kotlin in Android apps, boosting usability and cutting runtime by 30%.
3. **Innovative Development and Efficiency Gains:** Led MERN Stack cross-platform web app creation, designed user-centric interfaces, and achieved a 65% memory reduction through strategic coding and algorithmic enhancements.

EDUCATION

<i>Post Graduate Certificate (Co-op), Big Data Solutions Architecture Conestoga College</i>	<i>Graduation Year – 2023</i>
<i>Post Graduate Certificate (Co-op), Computer Application Security Conestoga College</i>	<i>Graduation Year – 2022</i>
<i>Master's degree, Big Data analytics and AI Specialization, VIT, Vellore</i>	<i>Graduation Year – 2020</i>
<i>Bachelor's degree, Computer Science Engineering, Anna University, Chennai</i>	<i>Graduation Year – 2016</i>

PROJECTS

- **Customer Buying Trends Exploration:** Devised a solution for scrutinizing customer data in a well-known home appliances retailer. Employed diverse machine learning algorithms to anticipate purchasing behaviors and trends, enhancing the understanding of customer preferences. [\(view here\)](#)
- **Innovative Transfer Learning Showcase:** Executed an illustration of transfer learning's significance through an image classifier. Demonstrated its relevance to the 2022 Big Data Solutions Architecture class, employing TensorFlow Object Detection API and the SSD-mobilenet model to construct the classifier. [\(view here\)](#)

PUBLICATIONS

- *Predicting the Existence of Brain Tumor in MRI Images by Applying FCNN Published in July 2020*
[\(Read here\)](#)