Sylvester Ranjith Francis

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OBJECTIVE

A problem solver who loves to decode hard problems and implement resolutions with precision and perfection.Experienced in developing varied solutions with expertise in Full Stack technologies.Dedicated in providing optimized solutions within a short time frame and delivering ready to deploy applications.

HIGHLIGHTS

- Computer Application Security Post Graduate Student at Conestoga College with a Masters Degree in Computer Science and Technology.
- 3+ years of software development experience in various languages including Python, Java, and JavaScript.
- Highly skilled in utilising visualisation frameworks such as Tableau,Power BI and also in python based front-end frameworks like PyQt5.
- Knowledgeable in utilising Spark,HiveSQL,SparkSQL,SQL and NoSQL databases.
- Applied feature engineering and dimensionality reduction to optimise the analysis of data.
- Utilised team collaboration, version control systems and bug tracking systems including Confluence, Jira, Bitbucket, Git repository.
- An able communicator and a self-driven,motivated team player delivering results with little to no supervision.
- Excellent developer capable of multitasking promising on time delivery.

EDUCATION

Conestoga College, Waterloo, Ontario
- *Post Graduate Certificate (Co-op)*, Computer Application Security, Jan, 2021 - Dec 2021(Expected),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

- Mentored fellow masters students along with PHD scholars conducting sessions on Python and Machine Learning.
- Received a letter of Appreciation for spear-heading an industrial project with TVS India PVT.LTD.

TECHNICAL SKILLS

- **Databases**:MongoDB,CouchDB,Cassandra,MySQL,Firebase,Redis.
- **Data Analysis Tools**:Hadoop,Hive,Pig,Sqoop,Spark,Kafka.
- **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

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.
- Collaborated with other developers to identify and alleviate several bugs in the software.
- Built an Object Detection model using TensorFlow Object Detection API capable of running on an embedded Renesas Processor.

Technology Consultant   Sathya Technosoft
Mar 2018 - May 2019   Chennai, India
- Worked closely with infrastructure staff and departmental decision-makers to identify, recommend, develop and implement cost-effective technology solutions.
- 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.

Software Engineer   One Cipher Solutions
Aug 2017 - Feb 2018   Chennai, India
- Revised and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Utilised MongoDB extensively in order to optimise and limit issues pertaining to indexing caused by relational databases.
- Orchestrated efficient large-scale software deployments in Linode and AWS based environments;handled testing features and correcting code.

Junior Software Engineer   Sathya Technosoft
Jun 2016 - Aug 2017   Chennai, India
- Helped solve diverse problems and provided various visualisations using Tableau and predictive models utilising Numpy,Pandas and Scikit-learn.
- Analysed program data to provide input for key decision making and strategic planning.

VOLUNTEERING
- Volunteer at JCILM Trust, Chennai (Non-profit Organisation).
  Video Editor and Social Media Expert
  Jun 2012 - Present

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
- Machine Learning Nanodegree - Udacity
  Aug 2016 - No Expiry date
- Machine Learning with Tensorflow on Google Cloud Platform Specialisation – Coursera
  Jan 2019 - No Expiry date

INTERESTS
- Reading
- Learning new technologies
- Photography

References will be provided on request