Shaun Augustin Gonsalves

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Actively looking for internships and coops. Pursuing Master of Science in Computer Science (MSCS), with 2½ years as a software developer & consultant. Interested in Software Development & Research in areas of Big Data Analytics, Machine Learning, Computer Vision.

ACADEMICS

Rochester Institute of Technology (Currently pursuing) — Rochester, NY
Master of Science (MS) in Computer Science — August 2019 – December 2021(Expected)
Concentration: Artificial Intelligence, Big Data, Computer Networks

Mumbai University — Mumbai, India
Bachelor of Engineering (BE) in Electronics & Telecommunication — July 2012 – May 2016
Coursework: Microprocessors, Operating Systems, Computer Networks, Wired & Wireless Communication, Image Processing

TECHNICAL SKILLS

Programming: Java, Python, Go
Operating Systems: Windows, Linux – Ubuntu, RHEL, Android
Database: Oracle, MySQL/MariaDB, Postgres, PLSQL
Other Skills: Git, Agile, HTML/CSS, JavaScript, Springboot, Azure, AWS
Software Tools: Apigee, IBM AppConnect & APIConnect, Mulesoft Anypoint Platform

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, Mumbai, India — January 2017 – August 2019

Systems Engineer

- Integrated patient test data with salesforce using an API led integration solution for a healthcare client.
- Demonstrated a presales use-case for a customer using – Anypoint Platform & Informatica IICS, and won the contract.

Assistant Systems Engineer

- Developed middleware & REST APIs, securely exposing core banking functionality for a digital banking product.
- Developed middleware to integrate systems of a newly acquired company using IBM Integration Bus.
- Achieved an ILP rating of 5/5 demonstrating skills in Business Intelligence (BIPM) & Application Operations (ITIL v3).

ACADEMIC PROJECTS

Big Data Analysis of taxi data in NYC and Chicago — July 2020

- Analyzed the relation between fares, trip times, and distance and trained ML models to predict taxi fares.
- Clustered and analyzed the data with DBScan to find peak taxi demand in - days of the week, and time of the day.

Text mining and finding the most important words using Zipf's Law — June 2020

- Discovered the characters and words central to the story line in the books "Pride & Prejudice", and "Jane Eyre".

Year-round Orienteering — February 2020

- Designed and implemented an AI algorithm to select an optimal path for orienteering using geospatial knowledge.
- Designed the solution for four seasons, i.e. Summer, Fall, Winter, & Spring.

Moving Object Tracking and Navigation — April 2016

- Developed a Matlab script for acquiring a sequence of images, detecting motion, interpreting the location of the subject, generating navigation instructions and pushing it to a database.
- Developed a website and android app to display navigational instruction with audio aid.

EXTRA-CURRICULAR

National Service Scheme (NSS-DBIT), District Level Camp on "Sustainable Development"

- Co-organised a district level camp on Sustainable Development.
- Designed policies and processes to make DBIT a zero-waste campus. Introduced a wet-waste to biogas solution.
- Studied the geography using GIS, & implemented rainwater harvesting using CCT, & micro-dams at DBYS, Karjat.
- Co-authored and presented a technical poster - International Conference on Technologies for Sustainable Development, 2015.