

# 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, United States

Master of Science (MS) in Computer Science

August 2019 – December 2021(Expected)

Concentration: Artificial Intelligence, Big Data, Computer Networks

### University of Mumbai

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, Golang

**Other Skills:** Git, Agile, HTML/CSS, JavaScript, Springboot,

**Operating Systems:** Windows, Linux – Ubuntu, RHEL, Android

Azure, AWS

**Database:** Oracle, MySQL/MariaDB, Postgres, MongoDB, SQL, NoSQL

**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.