Shaun Augustin Gonsalves

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SUMMARY

Pursuing Master of Science in Computer Science (MSCS), with 2½ years as a software developer & consultant.
Interested in Software Development & Research in areas of Computer Vision, Machine Intelligence & Cybersecurity.

ACADEMICS

Rochester Institute of Technology (Currently pursuing)	Rochester, NY
Master of Science (MS) in Computer Science	August 2019 – May 2021
Concentration: Intelligent Systems, Distributed Systems	
Mumbai University	Mumbai, India
Bachelor of Engineering (BE) in Electronics & Telecommunication	July 2012 – May 2016
Coursework: Analog & Digital Electronics, Microprocessors, Operating Systems, Computer Networks, Wired & Wireless Communication	CGPA: 7.12/10

TECHNICAL SKILLS

Programming: C, Java, Python, Datastructures	**Other Notable Skills**: Git, Agile, HTML/CSS, JavaScript, LaTeX
Operating Systems: Windows, Linux – Ubuntu, Android	**Software Tools**: Apigee, IBM AppConnect & APIConnect, Mulesoft Anypoint Platform, Matlab R2012
Database: Oracle, MySQL, MariaDB, PLSQL	

PROFESSIONAL EXPERIENCE

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

Systems Engineer, (Healthcare, Europe & TTH, USA)

- Developed REST API's and supporting middleware to expose functionalities via WebAPIs.
- Led & demonstrated a Proof of Concept use-case using two tools – Anypoint Platform & Informatica IICS.

Assistant Systems Engineer, (BFSI, India & Healthcare, USA)

- Developed middleware & REST APIs, securely exposing core-banking functionality & maintaining a developer portal.
- Developed middleware to integrate systems of an acquired company using IBM Integration Bus.

Assistant Systems Engineer – Trainee

- Trained in Business Intelligence (BIPM) & Application Operations (ITIL v3) at TCS, Thiruvananthapuram.
- Achieved an ILP rating of 5/5. Displayed professionalism and timeliness in software delivery.

ACADEMIC PROJECTS

Moving Object Tracking and Navigation

- 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 basic website and android app to display navigational instruction with audio aid.

Mini ALU & Automatic Fire Extinguisher.

- Designed and implemented a combinational mini-ALU using basic gates. Designed the layout and printed a PCB.
- Designed a solution using MQ2 sensor for detecting and triggering a fire suppression system.

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.

Institution of Electronics and Telecommunication Engineers (IETE-ISF), DBIT

- Organised workshops on Quad-copter, PC Assembly. Organised an Industrial Visit to Sterling Generators, Silvassa.

Other Significant Activities

- Undertook digitisation of college instructor manuals using Latex.
- Undertook GIS Mapping of Mithi River in Mumbai, as electronic proof to prevent illegal reclamation.