Shaun Gonsalves

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Actively looking for internships and coops as a Software Developer starting in Spring '21. Pursuing Master of Science in Computer Science (MSCS), with 2½ years as a software developer & consultant.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Jan 2017 – Aug 2019
Mumbai MH, India
Software Engineer

- Integrated patient test data with salesforce using RESTful API led integration solution for a healthcare diagnostics giant.
- Demonstrated a presales use-case for a customer using two IPaaS tools – Mulesoft Anypoint Platform & Informatica IICS and won the contract.
- Securely exposed core banking functionality for a digital banking super-app using RESTful APIs, making banking easy & accessible to 20 million people.
- Developed middleware to integrate systems of a newly acquired company using IBM Integration Bus, enabling consistent and highly available data across businesses.
- Achieved an ILP rating of 5/5 demonstrating skills in Business Intelligence & Performance Management (BIPM) & Application Operations (ITIL v3).

ACADEMICS

Rochester Institute of Technology Aug 2019 – Dec 2021
Rochester NY, United States GPA: 3.67
Master of Science (MS) in Computer Science
Artificial Intelligence, Big Data, Computer Networks

University of Mumbai Jul 2012 – May 2016
Mumbai, India CGPA: 7.12
Bachelor of Engineering (BE) in Electronics & Telecommunication,
Operating Systems, Computer Networks, Telecommunication, Image Processing

TECHNICAL SKILLS

Core Skills: Java, Python, Javascript, Golang, .NET
OS: Windows, Linux – Ubuntu, RHEL, Android
DB: Oracle, MySQL/MariaDB, Postgres, MongoDB, MS SQL
Other: Git, Agile, HTML/CSS, Nodejs, Springboot, Azure, AWS
Tools: Gradle, RabbitMQ, Apigee, OpenAPI, IBM AppConnect/APIConnect, Mulesoft Anypoint Platform.
Libraries: Pandas, Numpy, SciKit-learn

PROJECTS

Apriori Itemset Mining (Java, MySQL)

- Implemented an optimized Apriori algorithm from scratch using Java and JDBC connector.
- Implemented Early Stopping, Pruning, Ordered Processing to further optimize the existing algorithm.

Text mining to find the most relevant words (Python)

- Create a script that utilized Zipf's law to find the most important words in the books.
- Utilized TF-IDF to determine relevance.

AI Language Classifier (Python, sklearn)

- Created a model to classify text as English or Dutch using decision trees algorithm.
- Optimized the implementation using AdaBoost and AB Pruning

Big Data Analysis of taxi data in NYC and Chicago (Python)

- 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.

Year-round Orienteering (Python, Pillow)

- 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 (Matlab, HTML, JS)

- 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)

- Co-organized a district level camp on Sustainable Development.
- Co-authored and presented a technical poster at the International Conference on Technologies for Sustainable Development, 2015.