

Shaun Gonsalves

✉ shaun.gonsalves288@gmail.com ☎ 585 481 9522

🐙 github.com/shaungonsalves

🌐 [linkedin.com/in/shaungonsalves](https://www.linkedin.com/in/shaungonsalves)

📄 shaungonsalves.github.io

📍 9 River Meadow Dr, Rochester NY 14623, USA

Seeking a Full-Time role as a Software Developer starting in Jan '22. A hardcore team-player and proven computer professional with a passion for solving complex problems by designing & developing effective software.

PROFESSIONAL EXPERIENCE

Mutual of Omaha Jan 2021 – Aug 2021
Omaha NE

IT Intern

- Enabled a highly automated and standardized method for orchestrating & provisioning cloud resources using AWS CDK.
- Developed AWS Constructs (Infrastructure as code) to extend core features with custom business logic utilizing the principle – Secure by default.
- Helped formalize the associate onboarding process, enabling new associates to be productive faster.
- Trained other interns, enabling them to contribute and speed up the development, and ensure quality.

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

Software Engineer

- 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 in 2 months using RESTful APIs, making banking easy & accessible to 20 million people.
- 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, Cryptography, Frontend Design & Development

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, C# (.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, OAuth 2.0, Mulesoft Anypoint.

ACADEMIC PROJECTS

AdHoc Network Simulation (Java, NodeJS, Docker)

- Designed and implemented an ad-hoc routing protocol based on RIPv2 from scratch.
- Simulated route discovery and exchange between rovers using Docker – running an independent instance for a rover.

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.

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

Text mining using Zipf's Law (Python, pandas)

- Used TF-IDF to mine most important words from 2 novels.
- Used the words to build a probable story plot and compared it to a condensed plot.

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.