

Sreeram Ganesan

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EDUCATION

Master of Science in Computer Science

University of Colorado Boulder, Boulder, CO

Expected May 2023

Bachelor of Technology in Computer Science

Amrita School of Engineering, Amrita University, Coimbatore, India; GPA: 3.53 (8.82/10.0)

Jul 2018

SKILLS

Languages: Java, Scala, Python, C++, SQL, HTML, CSS, Javascript

Frameworks: Spring Boot, Flask, NodeJS

Databases: Oracle, MySql, MongoDB

Tools & Technologies: REST APIs, Microservices, Cloud Computing, Git, Gradle, Jenkins, Docker, gRPC, Linux, JAX-RS, Hadoop, Map Reduce, Spark, Pig, Cassandra, Functional Programming, GCP, authentication, load balancing, Kafka

EXPERIENCE

Software Engineer

Oracle

Jun 2019 - Jul 2021

Hyderabad, India

- o Achieved 3X performance gain by developing new Java-based micro-services to import and export large amounts of data via Excel and other third-party apps. Reduced server cost by 34% compared to the legacy implementation.
- o Led a team of three to prototype and construct a novel revenue forecasting solution. Worked closely with product managers to incorporate customer feedback and improved the forecast by 13%.
- o Increased productivity by 20% by establishing an automated API documentation process using Swagger plugins.

Associate Software Engineer

Oracle

Jul 2018 - May 2019

Hyderabad, India

- o Created REST APIs to configure, generate and export mission-critical reports for R&A, a data analytics tool used by restaurant chains such as Starbucks, Dunkin, KFC, etc to optimize sales, operation costs, inventory, etc.
- o Decreased the Turnaround time for critical bugs by 41% by re-architecting the legacy modules and their build process.

Project Intern

Oracle

Jan 2018 - Jun 2018

Hyderabad, India

- o Devised a proof of concept for an internal framework to build mobile applications with the web development stack - HTML, CSS and JavaScript, which cut down the development time of mobile apps by 45%.

Project Intern

Larsen & Toubro

Jul 2017 - Dec 2017

Coimbatore, India

- o Created web applications to manage internal operations such as campus broadcast and visitor management.
- o Designed an employee on-boarding application that ensured compliance through gamified questionnaires.

PROJECTS

F7 Fitness Hub - Social Fitness Network

Dec 2020 - Jul 2021

- o Architected and developed a fitness network for a medium-sized gym to build a community for their clients to virtually participate in various workouts from their mobile.
- o This project was responsible for supporting clients and generating 100% of revenue for the business during COVID-19 pandemic lockdowns.
- o Tech Stack - Java, Spring Boot, My SQL, React Native.

Revenue Forecasting with Machine Learning

May 2020

- o Engineered a system to forecast the revenue of restaurants with Machine Learning. Engineered an ExtraTrees Regressor-based ML model that predicted the weekly revenue of restaurants with a mean absolute error of less than 15%.
- o Tech Stack - Python, Flask, Tensorflow, Oracle JET, Oracle Database.

MediPass - Platform to share health data

Nov 2019

- o Constructed a platform that enables patients to share health data with doctors securely by scanning a QR code during their visit. Leveraged Blockchain to monitor the access and changes to the health data.
- o Tech Stack - Python, Flask, Bootstrap, Android.

Framework to mitigate distractions while browsing

Jul 2016 - Jun 2017

- o Developed a chrome extension and a novel system that leverages Bollinger Bands, a statistical chart to identify the abnormalities in a person's browsing behaviour and mitigate their distractions over time by effectively nudging them.
- o Tech Stack - Java, MongoDB, Python, Flask.

ACHIEVEMENTS

Felicitated by the Minister of Rural Development, Government of India - Established a beneficiary management application for a government program. Constructed dashboards and reports to measure the impact of the program.

Inspiration Award - Awarded by Persistent Systems for winning the Smart India Hackathon 2017.

Second Runner Up, Honeywell Hackathon - Developed a chrome extension for personalised product recommendation.

CERTIFICATION

Oracle Cloud Infrastructure Foundations 2020 Certified Associate (08/2020) - Oracle Testing ID: OC2032969. Score: 88%