

Chandrashekar Guruchannegowda

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Education

University of South Florida

Master of Science in Computer Science (GPA: 4.00)

May 2024

Tampa, Florida

Relevant Courses: Operating Systems, Algorithms, Distributed Systems, Network Security, Data Mining, Big Data

Visvesvaraya Technological University

Bachelor of Engineering in Computer Science & Engineering

June 2019

Bengaluru, India

Technical Skills

Technologies: Java, GO, REST API, Maven, Spring Boot, Docker, Spring-MVC, JUnit, Mockito, HTML, Javascript

Database/Cloud: Google Cloud Platform (GCP), BigTable, BigQuery, **SQL, NOSQL**, RDBMS, Elastic Search

Tools: Git, GitHub, Gradle, Tomcat, Postman, Swagger, Dynatrace, Kibana, Jira, Jenkins, Android open-source

Specialities: Networking, Design Patterns, Multithreading, Object Oriented Programming, Microservices, SAFe Agile

Experience

University of South Florida

Graduate Research Assistant

Jan 2023 – Dec 2023

Tampa, Florida

- Managed the Backend database for the CARRT lab website, overseeing updates for courses, student details, announcements, and assignments. Successfully migrated the legacy database to utilize **Elastic Search**, enhancing data retrieval and search capabilities by more than 30%.
- Teaching assistant: Conducted hands-on certification course on employing advanced Python techniques to facilitate parallel and synchronous communication between robotic arms.

Zebra Technologies

Software Development Engineer

Jul 2019 – Jul 2022

Bengaluru, India

- Designed and implemented **REST APIs** using the **Spring Boot** framework, allowing controlled access to device specific metrics over the Zebra Savanna Platform.
- Conducted real-time analysis of SIP-based voice calls, utilizing **Google Pub-Sub** for data processing. Implemented a solution to extract valuable network insights, resulting in 40% reduction in network maintenance costs.
- Led the development of the Update Delivery **microservice**, a device management solution, enhancing control over 'last mile' software updates for Zebra SKUs, contributing to a 50% increase in feature adoption rates.
- Skilled in Java, Spring Boot, Docker, Multi-threading, and Microservice architecture, with a demonstrated ability to apply agile methodologies for optimizing development workflows.

Zebra Technologies

Software Engineer Intern

Jan 2019 – Jun 2019

Bengaluru, India

- Developed the Engineering Mode Tool Kit software to analyze Over the Air (OTA) update packages, reducing package sanitization time from 20 minutes to approximately 2 minutes.
- Created Power Measurement software for zebra handheld devices, generating valuable metrics for the battery team and driving software driven enhancements that optimized battery performance by 15%.

Projects

Smart Automated Returns Assistant | Java, Springboot, **Python**, Machine Learning, Pytorch, Deep Java Library

- Created a web application utilizing Deep Java Library (DJL), an open-source **Deep Learning** library for Java, to identify fake products.
- Trained and Integrated a GANomaly model into the Java Spring Boot framework using DJL library and exposed **REST API** to submit the url of the product image.
- Successfully showcased the idea at the Srjana 2019, the Zebra Innovation Event.

ODI Cricket Management System | Java, PostgreSQL, JDBC, Java Swings 📱

- Created a Database Management System utilizing Java Swings for User Interface and JDBC for seamless interactions with the PostgreSQL database server.

Awards/Recognition

- Recognised for Going the Extra Mile with GEM rewards for continuous contributions in innovation events.