# Sairam Harikrishnan

Frisco, TX, 75035 | (469) 742-3763 | sai_hari98@hotmail.com | linkedin.com/in/sai-hari | github.com/sai-hari98

## EDUCATION

**The University of Texas at Dallas**                                                                              May 2024
Master of Science, Information Technology and Management                                      **GPA: 3.87**
Relevant Coursework: Database Foundations for Business Analytics

**Anna University**, Chennai, India                                                                              May 2019
Bachelor of Technology, Information Technology
Relevant Coursework: Operating Systems, Software Architecture

## PROFESSIONAL EXPERIENCE

**ThoughtWorks** Chennai, India                                                         June 2022 – December 2022
Consultant – Developer
**Client: Generali Italia**
- Reduced page redirects to **1** from claims dashboard page by implementing quick action widgets in **Angular**
- Decreased build failure rate by 30%, and improved the code quality by building an engineering metrics dashboard with **SpringBoot**, **React JS**, **PostgreSQL**
- Lowered repetitive API calls by over **50%** by implementing a real-time claims dashboard using **SpringBoot** and **Websockets** for live customers insurance claim submissions

**Cognizant**, Chennai, India                                                                     July 2019 – June 2022
Software Engineer
**Client: Walgreens**
- Implemented one-click order placement using **SpringBoot** and **MongoDB** reducing the overall API utilization by **75%**
- Increased the microservices capacity to accept orders by 30% by implementing message-based asynchronous communication using **Azure functions** and **storage queues**
- Minimized webpage navigations by more than **50%** by developing a search feature for orders with **Java** and **Redis**
- Curtailed latency of Walgreens e-commerce platform APIs to less than **1s** on average by optimizing the code in **Java**
- Engineered the business logic in **Java** for same-day delivery last mile which **increased the revenue by $8 per order**

## ACADEMIC PROJECT EXPERIENCE

**Credit Card Approval Prediction** *(R Programming)*                                February 2023 – April 2023
- Used **AdaBoost** boosting technique to get the maximum accuracy of **91%** and false negative rate about **8%**
- Employed **SMOTE** oversampling algorithm to balance the minority class of risk users (**0.3 percent**) GitHub Link

**InstaHMS** *(MySQL)*                                                                             February 2023 – April 2023
- This project addresses the daily operations of a hospital via effective queries in **MySQL**
- Implemented SQL scripts to define schema, optimized queries, views, stored procedures and triggers. GitHub Link

**InteracT** *(Android Studio, Java)*                                                               June 2018 – July 2018
- Built an Android app to display upcoming events of undergrad college along with a **chat** feature
- Integrated the app with **Firebase Firestore** to manage data, **Firebase Auth** to manage security. GitHub Link

## TECHNICAL SKILLS

**Programming/Markup Languages:** Java, HTML, CSS, JavaScript, Python, SQL, R
**Technologies:** Spring Boot, JPA/Hibernate, Angular, React, Redux, Microservices, Gradle, JUnit, Docker, Microsoft Azure API Management, Azure KeyVault, AWS Fargate, AWS DynamoDB, Redis, MySQL, Oracle SQL, MongoDB, Bootstrap
**Tools:** Jenkins, JIRA, Azure DevOps, Git, GitHub, Sonarqube, Excel
**Agile Practices:** Scrum, Extreme Programming (XP), Test Driven Development (TDD)

## STUDENT CLUBS

**Web Developer**, Code.exe at UTD                                                      September 2023 - Present
**Presentation Mastery (L1)**, Toastmasters                                           August 2023 – Present