

# SREEHARSHA RAVEENDRA

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## EDUCATION

### Master of Science in Computer Engineering

Arizona State University, Tempe, AZ

December 2023

GPA: 3.3 / 4.0

### Bachelor of Technology in Electronics and Communications Engineering

National Institute of Technology Karnataka, Surathkal

May 2020

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## TECHNICAL SKILLS

**Proficient:** Python, C, Java, JavaScript (Node.js, Express.js, React.js), SQL, HTML, CSS (Bootstrap, Tailwind), Git, GitHub

**Exposure:** AWS, Azure, PostgreSQL, SQLite, Docker, Kubernetes, Grafana, REST API, Linux/Unix, Bash

**Applications:** Adobe Photoshop, Figma, WordPress, Postman, Copilot

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## PROJECT EXPERIENCE

### Software Engineering Virtual Experience Program on Forage

December 2023

*Job simulation for software engineering at Hewlett Packard Enterprise*

- Proposed a RESTful web service for efficient employee list management.
- Engineered a Java Spring Boot web server for secure JSON data upload and HTTP request handling.
- Conducted comprehensive unit tests to assess Java Spring Boot application performance.

### EduScan V2

Fall 2023

*A seamless student identification service using open-source solutions.*

- Orchestrated file uploads, data flow, and facial recognition processing, optimizing project workflow using AWS S3, DynamoDB, OpenFaaS, and monitoring via Grafana and Prometheus.
- Led Kubernetes cluster setup and OpenFaaS deployment for scalable, resource-efficient operations.
- Ensured OpenFaaS deployment stability through rigorous local testing of Dockerfile instances.
- Automated OpenFaaS invocation upon object uploads, enabling real-time user data processing.

### Espresso

Summer 2023

*Robust back-end CRUD (Create, Read, Update, Delete) project designed for a café.*

- Established features for all aspects of café operations, including menus, menu items, employees, timesheets.
- Implemented database tables and API routes, ensuring smooth data storage and retrieval for all features.
- Employed CRUD principles for all features, streamlining the café management process and improving efficiency.
- Integrated the front-end to ensure seamless interaction with the API, enhancing user experience and control.

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## PROFESSIONAL EXPERIENCE

### Associate Software Engineer, DXC Technology, Bengaluru, India

July 2021 - July 2022

- Analyzed design specifications and technical requirements to ensure accuracy of cloud solutions on Azure and AWS.
- Utilized Python, Databricks SQL connector to develop data pipelines automating workflows between Azure services.
- Loaded data into AWS Redshift clusters from sources like S3 and optimized SQL queries to extract actionable insights.
- Delivered secure, scalable cloud-based data warehousing solutions on Azure and AWS platforms to enable analytics.

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## LEADERSHIP EXPERIENCE

### Vice President, Brand Master, IEEE Student Branch at ASU, Tempe, AZ

August 2022 – December 2023

- Achieved recognition as “Board Member of the Year” during 2022-23 term.

### Volunteer, Feed My Starving Children, Mesa, AZ

November 2023

### Volunteer, IEEE at CES 2022, Las Vegas, NV

January 2022

### Executive Board Member, IET - NITK Student Chapter, Surathkal, India

August 2018 – May 2020