HARINI SRINIVASAN

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EDUCATION

Master of Science, Computer Science	May 2023
University of Florida, USA	GPA 3.94/4.0

Courses: Algorithms, Advanced Data Structures, Distributed Systems, Software Engineering, Applied Machine Learning

Bachelor of Engineering, Computer Science and Engineering	May 2019
Anna University, India	GPA 8.73/10

Courses: Programming and Data Structures, Internet Programming, Operating Systems, Database Management Systems

TECHNICAL SKILLS

Languages and Databases: Java, C++, Python, F#, Go, SQL, MySQL, MongoDB

Web Development: JavaScript, HTML, CSS, Bootstrap, Ember.js, React, Akka.NET, Django, jQuery, Node.js, Hugo, Cypress, JUnit

Software, Tools and Services: VS Code, Anaconda, IntelliJ, Git, Docker, Kubernetes, Azure AD

PROFESSIONAL EXPERIENCE

Engineering Development Group Intern | MathWorks | USA   May 2022 – August 2022

- Developed a feature in Golang for handling MATLAB file previews in MATLAB Online by retrieving .mlx files from OneDrive via Microsoft Graph API and rendering the file in the browser using JavaScript viewer functionality
- Collaborated with the MATLAB Online Server (MOS) team to containerize the OneDrive file preview handler and deploy the docker image in the MOS Kubernetes Cluster using Helm Charts

Member Technical Staff | Zoho Corporation |India   May 2019 – July 2021

- Developed a custom financial report feature that facilitates the users to configure and save layout customization options and report specific preferences as per their business needs, using Ember.js framework
- Refactored the code base of a core module that optimized the code flow and reduced the initial bundle size which resulted in faster build generation
- Created a website-builder tool to build landing pages and websites using Ember Octane and Hugo framework to enhance code uniformity, code consistency and eliminating code redundancy up to 85%
- Established a CI setup using GitLab CI that made it possible to push code changes for E2E testing in under 20 minutes
- Collaborated with other product teams to integrate Zoho Books application into Zoho's suite for business

Project Trainee | Zoho Corporation |India   December 2018 – April 2019

- Worked with designers, content writers and developers to build landing pages using Hugo framework and Ember.js
- Identified and fixed breakages in the front-end and solved customer issues in the product

PROJECTS

[GatorExchange [React, Go, MongoDB, Docker]](#) – University of Florida   February 2022 – April 2022

A web application that serves as a platform for authenticated users to post technical questions and answers, developed using React and Go and containerized using Docker, by following agile methodologies and collaborating via GitHub.

[Twitter Clone [F#, JavaScript, HTML]](#) – University of Florida   November 2021 – December 2021

A distributed twitter client-server implementation created using actor model in Akka.NET framework, WebSocket interface and REST APIs to concurrently handle client requests.

[Chord Protocol Implementation [F#]](#) – University of Florida   October 2021

A distributed hash table implementation for routing messages in a peer-to-peer network in a scalable and decentralized manner, using actor model in Akka.NET framework.

[Bitcoin Mining [F#, Akka.NET]](#) – University of Florida   September 2021

An implementation based on F# and Akka.NET framework that computes hash strings(bitcoins) by distributing the job amongst multiple workers as and when they become available, in a distributed system, using Actor model.

[Farmer's Suite [Python, Django]](#) – Anna University   September 2018 – October 2018

A Django application which uses linear regression and Convolutional Neural Network to provide a suite of functionalities to farmers including crop suggestion, yield prediction and crop disease identification.

ACCOMPLISHMENTS

- Received the [Academic Achievement Award](#) from the University of Florida in view of my commendable performance during undergraduate studies.
- Won the [Best Business Social Idea](#) award in a make-a-thon conducted by India Electronics and Semiconductor Association.