Sarang Hadagali

shadagal@stevens.edu | Hoboken, NJ | linkedin.com/in/sarang-hadagali-3567101b1 | github.com/shadagali03

Education

Bachelors in Computer Science (3.85/4.0),   Aug 2021 – Dec 2024 | Hoboken, NJ
Stevens Institute of Technology
Orgainzations: Poker Club(Secretary), Computer Science Club, Chess Club, Indian Undergraduate Association
Courses: Data Structures(Java), Calculus 1,2&3, Algorithms(C++), Computer Architecture(C), Operating Systems(C)

Skills

Programming Langages:
Java, Python, Javascript, Assembly, TypeScript, HTML, C++, C, Racket, OCaml

Tools and Libraries:
VS Code IDE, Linux, GitHub, Numpy, Pandas, Bootstrap, React, Firebase

Professional Experience

Merck, *Incoming Software Engineering Intern*   May 2023 – Aug 2023 | Rahway, NJ
- Joining the Human Health division with plans on building an AI chatbot within My Merck Account Portal

Stevens Student Managed Investment Fund,   Sep 2022 – Dec 2022 | Hoboken. NJ
Software Developer Junior Analyst
- Communicated with risk team to merge front and back-end using **Python Flask** to improve loading times by **5%**
- Aided in clubs recruitment process by creating a Web Dev based coding challenge given to over **80+** applicants
- Extended Bailey dashboard with **Dash** to contain a matrix that displayed correlation between stock within portfolio
- Reduced data frame load time by **33%** by using a caching system that stored data on every run instead of user click

Tektronix, *Software Engineering Intern*   Jun 2022 – Aug 2022 | Beaverton, OR
- Refactored **3+** web pages to increase efficiency usage for rest of web team by editing the HTML template
- Monitored **LCP and CLS core web vitals** and reported to management to optimize web page user experience
- Created **5+** web components as well as clear documentation on how to utilize the components for developers

Projects

Make-A-Wish Dashboard, *React.js, Figma* ⧉   Apr 2023
- Participated in a **100+** person Morgan Stanely Alpharetta Hackathon and won **first place**
- Created an elegant dashboard using **React.js** and **Materials UI** to connect Make-A-Wish families, event coordinators and volunteers through a centralized chat messaging system (Front-end implemented)
- Delivered design docs and architecture diagram using **figma** to map out **rest api** components of the dashboard

SplitIt, *React.js, Firebase* ⧉   Mar 2023
- Worked in a group of 3 to create a dashboard that simplifies shared group expenses by calculating prices of receipts
- Built website using **React.js** and connected to **Firebase** to securely store user and group data and display elegantly

CPU and Assembler Design, *Python, ARM64, Logism*   Dec 2022
- Led a team to successfully design and execute simple **CPU** using **Logisim** and **Python** to compute basic instructions
- Developed an **assembler** to run and compile the newly created language using **python** scripts, scripts leverages **hashing** and reading/writing to text files to generate binary encoded machine code for the CPU to execute

Personal Portfolio, *React.js, Netlify* ⧉   Aug 2022
- Created a simple personal portfolio to refine front-end skills using **React.js** and learn how to **deploy** websites
- Implemented use of routing, react-icon and material UI libraries to engage user interaction