

SREEHARSHA RAVEENDRA

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EDUCATION

Master of Science in Computer Engineering

Arizona State University, Tempe, AZ

December 2023

Bachelor of Technology in Electronics and Communications Engineering

National Institute of Technology Karnataka, Surathkal

May 2020

TECHNICAL SKILLS

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

Exposure: PostgreSQL, SQLite, Docker, Kubernetes, Azure, AWS, Linux/Unix

Codecademy Professional Certification: Computer Science Career Path

PROJECT EXPERIENCE

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, to streamline café management process and improve efficiency.
- Integrated front-end to ensure seamless interaction with API, enhancing user experience and control.

The Scoop

2023

Web-application for sharing, commenting, and voting articles.

- Implemented a robust user authentication system, ensuring personalized experiences for multiple users.
- Created functionalities to submit, edit and delete articles, enabling convenient content management.
- Built an interactive voting system for articles and comments, promoting user engagement and feedback.
- Incorporated YAML for data persistence and reliability, allowing application to save database objects.

Rock Paper Scissors x99

2023

3-round variation of Rock-Paper-Scissors as an interactive web game.

- Developed interactive functionality for players, enabling them to select three moves with varying strengths.
- Designed user-friendly interface with customized, responsive CSS styles, enhancing visual appeal of the game.
- Integrated front-end with captivating sounds, providing an immersive and enjoyable gaming experience.
- Devised an algorithm for game logic, resulting in fair and accurate estimation of game winners.

PROFESSIONAL EXPERIENCE

Software Engineer

July 2021 - July 2022

DXC Technology, Bengaluru, India

- Ensured alignment of design specifications with technical requirements through in-depth analysis.
- Prepared detail design documents, unit test plans to boost development efficiency and reduce defects.
- Leveraged Kubernetes, Docker, Azure, AWS to facilitate seamless and scalable application deployment.
- Employed agile methodologies to effectively manage tasks and priorities, resulting in increased productivity.

LEADERSHIP EXPERIENCE

Vice President, IEEE Student Branch at ASU, Tempe, AZ

August 2022 – present

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

Volunteer, IEEE at CES 2022, Las Vegas, NV

January 2022

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

August 2018 – May 2020