SREEHARSHA RAVEENDRA

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EDUCATION

Master of Science in Computer Engineering   December 2023
Arizona State University, Tempe, AZ

Bachelor of Technology in Electronics and Communications Engineering   May 2020
National Institute of Technology Karnataka, Surathkal

TECHNICAL SKILLS

Proficient: Python, C , JavaScript (Node.js, Express.js, React.js, Mocha), SQL, HTML, CSS (Bootstrap), Git, GitHub
Exposure: YAML, PostgreSQL, SQLite, Docker, Kubernetes, Azure, AWS, Linux/Unix
Codecademy Professional Certification: Computer Science Career Path

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PROJECT EXPERIENCE

Expresso   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   Summer 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.

Chatter Box   Summer 2023
Real-time chatroom application leveraging WebSockets.
  - Constructed functional WebSocket server, facilitating real-time communication between clients and server.
  - Implemented a WebSocket client using WebSocket API, enabling seamless connection and interaction.
  - Applied broadcast pattern, enabling simultaneous message delivery to multiple clients.
  - Installed user-friendly feature for specification of usernames, boosting communication clarity within texts.

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