

SREE CHARITHA MEKA

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EDUCATION

George Mason University, Fairfax, VA

Jan 2023 – May 2024

Masters of Science in Computer Science

GPA : 4.0/4.0

Coursework: UI Design and Development, Component based Software Development, Software Design and Architecture

Jawaharlal Nehru Technological University, Hyderabad, Telangana

Aug 2016 – May 2020

Bachelors of Technology in Computer Science Engineering

GPA :3.6/4.0

PROFESSIONAL EXPERIENCE

George Mason University

May 2023 – Present

Graduate Assistant - System Analysis and Design Course

Fairfax, VA

- Demonstrate proficiency in **SDLC methodologies**, documenting system requirements, designing UML and DFDs, applying basic UX design principles. Led and assisted 100+ students in grasping feasibility analysis, process modeling, use-case scenarios etc.

West Agile Labs

Jan 2020 – Dec 2022

Software Development Engineer

Hyderabad, Telangana

- Designed and developed 6+ web and mobile applications, including those for automating laundry business, social media platforms, and a booking application using **React, React Native, and Node.js**.
- Refactored legacy code to **ES6 features** and new features like **hooks, redux, context API, and functional components**. Established test suites for UI and functionality using **Jest and Enzyme** to ensure performance, quality, and responsiveness.
- Collaborated closely with Product and Design teams to gain understanding of their functional needs and design specifications and worked collaboratively with the Architecture and Development teams to propose tailored solutions.
- Led a 10-member team as Squad Lead, overseeing sprint brainstorming, task breakdown and distribution among developers.
- Mentored a team of 3+ junior developers, solidifying my knowledge, honing our collaborative problem-solving approach, fostering a culture of clear communication and impactful presentations.

Engineer's Hub, Mivo Solutions

Jun 2019 – Aug 2019

Application Development Intern

Hyderabad, Telangana

- Learned React Native and worked on UI/UX of mobile application with smooth flow, Utilized Android Studio and XCode development environment to visualize and generate build in both Android and iOS respectively

PROJECTS

Graduate Assistant | React, Typescript

May 2023 - Jul 2023

- Architected applications for MDM, Transcribe, and LLM from inception, involving functional requirements analysis, documentation, creation of DFDs, basic UX designs, and implementation of frontend UI using React with Typescript.

MiLegacy | React, Typescript

Nov 2022 - Dec 2022

- Streamlined and crafted intricate, responsive UI features encompassing establishing social connections, posting content, story functionality, leading to a 25% increase in user engagement with consistent multi-device compatibility.
- Reduced application loading time by 30% through optimization techniques like **code splitting, lazy loading, memoization, reduced re-renders, dependency optimizations, debounce and throttling**.

Enhedu | React, Typescript

Jul 2022 - Dec 2022

- Revamped existing software, streamlined database schema, and executed 5+ UI module implementations on schedule.
- Led and collaborated with a team of developers; communicated client requirements, delegated tasks, and guided newer developers, ensuring projects were aligned with client expectations and delivered on time.

Gradshack | React

Dec 2020 - Dec 2022

- Crafted responsive UI components for social media application promoting network-building and investment opportunity. Managed weekly meetings with stakeholders, communicated updates, and presented complex concepts, enhancing rapport.
- Integrated **twilio** for chatting capabilities, **Cordova** wrapper for iOS build generation, Pushy for **real time notifications**.

TryCents | JavaScript, React, React Native, Node.js

Jan 2020 - Nov 2022

- Engineered web and mobile applications from ground for laundry automation, which encompasses custom CRM, dashboard, live-link, and dedicated apps for employees, drivers, and intake. This led to 60% enhancements in laundry operations.
- Received Mountain Mover Award for exceptional contributions and the consistently delivering high quality products ahead of time.
- Participated in project setups, POCs, established reusable services, built custom components and hooks, integrated secure routes, and authored frontend tests that achieved 100% coverage, resulting in a 27% reduction in system bugs.
- Improved React Native employee application by refactoring class to pure functional components, optimizing navigation routes, enhanced list rendering with FlatList, state normalization, achieving 30% reduction in loading times, app size decreased by 25%.

Mihygge | React

Nov 2020 - Apr 2021

- Enhanced website by adding features including newsletter subscription, reviews forms and carousel display, and fixed bugs related to bookings, payments, and filter options, resulting in a 15% decrease in error rate.

TECHNICAL SKILLS

Programming & Frameworks: C, JavaScript, Typescript, Python, HTML, CSS, React, React Native, Node.js, Jest, Sequelize, Express

Databases & Software Tools: MySQL, PostgreSQL, Postman, Git, Jira, Figma, React DevTools, Redux DevTools, Jenkins, AWS