

MONICA SRIRAMREDDY

Boston, MA | (857)-654-5528 | sriramreddy.m@northeastern.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

NORTHEASTERN UNIVERSITY

Master of Science in Information Systems

Boston, MA

May 2025

Relevant Courses: Application Engineering and Development, Web Design and User Experience Engineering, Concepts of Object-Oriented Design, User Experience Design and Testing, Programming Structured Algorithm, Data Science and Engineering Tools

THE OXFORD COLLEGE OF ENGINEERING

Bachelor of Engineering in Computer Science

Bangalore, India

August 2021

TECHNICAL SKILLS

Programming Languages: Javascript, Typescript, Java, Python, C++

Frameworks: Spring Boot, Flask, Node.js, Next.js, FastAPI, React, Angular

Web Development: Express.js, HTML, CSS, Sass, jQuery, Bootstrap, JSON Web Tokens (JWT), Microservices

DevOps Tools: AWS, Unix/Linux, Azure DevOps, Git, Jenkins, Docker, Kubernetes

Databases: SQLite, MySQL, RDBMS, MongoDB, SQL, NoSQL, PostgreSQL

EXPERIENCE

CELESTIAL V SOLUTIONS, Bengaluru, India

Software Developer Intern,

March 2021 - August 2021

- Collaborated in a diverse team environment to architect and develop a **cloud-based stock visualization application**, employing the **MERN (MongoDB, Express.js, React, Node.js) stack**
- Assessed system requirements to formulate robust backend structures for **high-traffic web applications**, achieving a **20% enhancement in system efficiency**
- Worked with a team through the development of **RESTful APIs**, intricate database integrations, and the harmonization of backend logic with frontend requirements. This collaborative effort significantly elevated application performance
- Optimized and refined the existing codebase through the implementation of advanced algorithms, **yielding a notable 20% reduction in server response times**
- Led comprehensive testing and debugging initiatives that led to a **remarkable 30% reduction in system downtime**
- Applied containerization techniques by **Dockerizing the application**, paving the way for scalability, and subsequently **deployed it on AWS ECS**, showcasing expertise in optimizing service orchestration

PROJECTS

IPHONE 15 WEBSITE | React.js, Three.js, TailwindCSS, GSAP, Vite

- Replicated Apple's iPhone 15 Pro website, showcasing the device with stunning visuals and smooth transitions
- Utilized Three.js and React Three Fiber to render iPhone 15 Pro models in various colors and configurations, providing an interactive and immersive experience
- Designed a responsive and modern user interface with Tailwind CSS, ensuring consistent performance across different devices
- Built a modular, component-based UI using React.js, enabling reusability and easy scalability of the website

ZOOM CLONE | React.js, Next.js, shadcn, TailwindCSS, TypeScript

- Replicated the core features of Zoom, providing a secure and seamless video conferencing experience with meeting creation, user authentication, and participant management
- Built with Next.js and TypeScript, ensuring a modern, scalable architecture for efficient video conferencing functionalities.
- Integrated Clerk for secure authentication, supporting both social sign-on and email/password methods
- Utilized getstream for real-time communication features, enabling smooth interactions during video meetings
- Designed a fully responsive interface using Tailwind CSS, optimized for all devices

LIVE DOCS | React, Liveblocks, Next.js, TailwindCSS, TypeScript

- Developed a real-time document editing platform similar to Google Docs, enabling multiple users to collaborate simultaneously with live presence indicators
- Built using Next.js and TypeScript, ensuring a scalable and high-performance architecture for real-time collaboration
- Integrated Liveblocks to manage real-time editing and collaboration features, allowing users to edit documents together seamlessly
- Implemented GitHub-based authentication using NextAuth, providing secure sign-in and session management.

EXPENSE TRACKER | React, Swagger, Node.js, Express.js, MongoDB, JWT

- Created a application that empowers individuals and groups to monitor their expenses and visualize spending patterns using charts
- Leveraged Node.js and cron jobs to automate the generation and delivery of monthly spending reports to users, along with notifications when budgets were exceeded
- Established individual sessions within the application, enabling groups to record and monitor their personal expenses and budgets effectively