

Saipavan Lingamallu Portfolio

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WORK EXPERIENCE

HealthMudraa — Software Developer Intern

3 months

- Automated content updates and reduced manual video uploads by 90% through Node.js cron jobs by integrating doctors' YouTube channels with the website, optimized website load time by 25%.
- Improved website performance and visibility by introducing Next.js Server-Side Rendering (SSR) for key pages, enabling automatic search engine indexing and increasing organic traffic by 30%.

Writo Education — Full Stack Developer Intern

2 months

- Redesigned the website with UI/UX teams and initiated real-time chat using WebSockets (Socket.IO), enhancing student-teacher 1:1 interactions and increasing user engagement by 50%.
- Developed broadcast channels for students of different courses on the website, increasing student interaction and engagement by 40% and facilitating streamlined communication across course groups.
- Implemented responsive designs for 3 key pages, ensuring compatibility across all devices.

PROJECTS

QuickMatter - Advanced Chat [React, Redux, Translate API, Socket.io, Nodejs, MongoDB]

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- **key : Message translation, scheduling, Color based message priority, voice typing.**
- Designed a multi-lingual chat application using Socket.IO for real-time 1:1 user interaction with priority-based message indicators with 3 colors (red, yellow, blue), voice typing support.
- Added advanced features like message scheduling with Node.js cron jobs, message translation into 4+ languages using google translate API, JWT authentication, and Redux state management.

FotoFlask - Social App [React, Redux, Nodejs, MongoDB, Express, Socket.io, Redis, Jest]

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- Enabled users to upload 5 post types (image, video, text, story, reels), follow/unfollow others, and interact through 1:1 chat, likes, comments, and shares. Stored user's posts in Firebase.
- Designed application for 3 different users (user, admin, advertiser), featuring Admin dashboards. Implemented Redis caching, reduced API response times by 80-95%, conducted unit testing.

Trimrr - URL tracker [React, Tailwind CSS, Shadcn UI, PostgreSQL]

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- **key : Create custom links, QR codes, Track user-clicks, locations on your links.**
- Generated unique QR codes for custom URLs, visualized device details with pie charts, and highlighted top 5 locations by click count using line charts. Built a reusable useFetch custom hook.

EDUCATION

October 2021 - May 2025 Bachelor of technology in **Computer Science** at **IIIT SRICITY**.

June 2018 - June 2020 Intermediate-MPC from Narayana Junior College, Vijayawada. (93.7%)

June 2017 - April 2018 SSC Class 10th from Dr.KKR Gowtham School, Machilipatnam. (98.2%)

SKILLS

Technical: Java, HTML, CSS, JavaScript, React.js, Redux, Node.js, Express, MongoDB, SQL, TailwindCSS, Typescript, Python.

CourseWork: Data Structures, OOPS, DBMS, Operating Systems, Computer Networks.

CERTIFICATIONS

Alpha batch 4.0 - Complete Data Structures And Algorithms using Java [View Certificate](#)

Complete Web Development Bootcamp by Dr.Angela Yu [View Certificate](#)