

Ala Sai Harsha

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SUMMARY

Detail-oriented and performance-driven Software Engineer with strong proficiency in Java, Spring Boot, and modern web technologies like React.js, Redux, and RESTful API development. Demonstrated expertise in building production-ready full-stack applications. Passionate about writing clean, maintainable code, solving real-world problems. Actively seeking opportunities to contribute to high-impact engineering teams.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python

Frontend Technologies: HTML, CSS, React.js, Tailwind CSS

Backend Technologies: SpringBoot, Node.js, Express.js,

DataBases: MongoDB, MySQL

Web Services: REST, GraphQL

CS Fundamentals: SDLC, OOPs, OS Concepts, Data Structures & Algorithms

Additional Skills: Strong verbal and written communication, time management, collaboration, documentation

EDUCATION

VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

B-Tech in Computer Science and Engineering

Guntur, Andhra Pradesh

2021 – 2025

SIR CR REDDY PUBLIC SCHOOL

Class XII, CBSE

Eluru, Andhra Pradesh

2019– 2021

SIR CR REDDY PUBLIC SCHOOL

Class X, CBSE

Eluru, Andhra Pradesh

2018– 2019

PROJECTS

Habit Tracker – Pomodoro-Enhanced Productivity System

May-2025

[Github](#) 

Tech Stack : Java 17, Spring Boot 3.3.2, React 19, Redux , REST APIs, Docker, H2, Maven,, Tailwind CSS

Impact: Increased user productivity through intelligent habit logging, real-time visual analytics

- Developed a full-stack web application for habit tracking with integrated Pomodoro timer, delivering modular, scalable, and secure architecture.
- Engineered backend using **Spring Boot**, **RESTful APIs**, **DTOs**, layered architecture (Controller, Service, Repository), and **global exception handling**.
- Enhanced security with **Helmet**, **express-validator**, and robust rate limiting, ensuring safe and reliable UI.
- Centralized error handling and strong state management prevent session leakage and guarantee data integrity across user sessions.

Live-Url-Shortener

May-2025

[Deployment](#) 

Tech Stack : React , Node.js , Express , MongoDB , Mongoose , JWT , NanoID

Impact: Secure and scalable Url Shortener with real-time analytics tracking

- Developed a full-stack, **production-ready URL shortener** with secure JWT authentication, per-user data isolation, and real-time analytics.
- Implemented custom aliases, detailed **click tracking**, and a modern, responsive UI
- Enabled **GitHub-style contribution graph**, **automated habit logging**, and **streak tracking**, improving productivity visualization and UX.
- Applied **software engineering best practices**: component reuse, **lazy loading**, **memoization**, **clean code architecture**, and optimized API calls

FlavorFind - Smart Recipe Explorer

Dec-2024

[Deployment](#) 

Tech Stack: React.js, React Router, Tailwind CSS, Framer Motion, Axios

Impact: Reduced API response time by 50% through **optimized API integration**, **caching strategies** and **improved UI/UX** accessibility score to 95+ and making the application **scalable** and **maintainable**.

- Developed **interactive components** for **real-time recipe search** and navigation.
- **Debouncing** : Implemented debounced API calls in the **search functionality** to **minimize unnecessary network requests**.
- **Caching:** Leveraged **client-side caching** (using **useRef**) to **reduce API response times** by up to 50%, **enhancing user experience**.
- Developed an **intuitive search experience** with an **auto-suggestion feature**, **dynamically displaying recipe suggestions** as users type, improving search efficiency.

CERTIFICATIONS

Machine Learning , ML by KTH, The Royal Institute Of Technology , Sweden

[link](#)

ACHIEVEMENTS

In Top 10 % of Teams SRM-AP 24hrs Hackathon

March 2024