

Ala Sai Harsha

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CAREER OBJECTIVE

To secure an entry-level Software Engineer role where I can apply my knowledge of Java, MySQL, React.js and Problem-Solving skills to build reliable software solutions while continuously learn and improve as a developer.

EDUCATION

Vasireddy Venkatadri Institute of Technology <i>B.Tech Computer Science and Engineering - CGPA: 8.1/10</i>	2021 – 2025 Guntur, Andhra Pradesh
Sir CR Reddy Public School <i>Class XII, CBSE</i>	2019 – 2021 Eluru, Andhra Pradesh
Sir CR Reddy Public School <i>Class X, CBSE</i>	2019 Eluru, Andhra Pradesh

INTERNSHIP

Nuziveedu Seeds Limited <i>Software Developer Intern</i>	July 2025 – Dec 2025 Hyderabad, India
• Contributed to the development of a stateless RBAC authentication system using Spring Boot 3.2.5 and JWT, supporting MD5-to-BCrypt password migration for 100+ users.	
• Developed and optimized 28 REST APIs for Master Data modules with strict @PreAuthorize security, achieving ~143ms average response time.	
• Designed an integration testing setup with 100% endpoint coverage, reducing manual QA effort by ~70%.	

TECHNICAL SKILLS

Languages : Java, JavaScript, Python | **Web Services :** REST APIs

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

Backend : Spring Boot, Node.js, Express.js, Hibernate/Spring Data JPA

Databases : MongoDB, MySQL | **CS Fundamentals :** OOP, DSA, OS, SDLC

Tools : Docker, Maven, GitHub, Postman, IntelliJ IDEA, Eclipse, GitHub Copilot, Mockito

PROJECTS

Habit Tracker - Pomodoro-Enhanced Productivity System | [Github](#)

- **Tech Stack:** Java, Spring Boot, React.js, Redux, REST APIs, H2, Maven, Tailwind CSS
- Built a Pomodoro-based habit tracking system with configurable timers, streak tracking, and contribution-style analytics.
- Impact: Increased user productivity through intelligent habit logging, real-time visual analytics.
- Implemented REST APIs and Redux Toolkit-based state management to support real-time updates and data visualization.
- Applied security best practices including input validation, rate limiting, and HTTP headers.

Live-URL-Shortener | [Deployment](#)

- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Mongoose, JWT, Nanoid
- Architected RESTful API with 8 endpoints following MVC pattern (register, login, shorten, redirect, list URLs, update, delete, analytics) implementing input validation, error handling middleware, and HTTP status code standards.
- Frontend Experience: Developed a responsive dashboard using React 18, TypeScript, and Tailwind CSS, featuring animated transitions (Framer Motion) and real-time QR code generation.
- Feature Implementation: Built advanced features including custom alias support, URL expiration, and modal-based analytics, while implementing comprehensive error handling to ensure data integrity.
- Built real-time analytics tracking system capturing click timestamps, enabling per-URL performance monitoring with React Query for optimized data fetching and caching strategy.
- Deployed this into my own subdomain: <https://urlshortner.alasaiharsha.me/>
- Impact: Secure and scalable Url Shortener with real-time analytics tracking.