

# 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

B.Tech Computer Science and Engineering - CGPA: 8.1/10

2021 – 2025

Guntur, Andhra Pradesh

### Sir CR Reddy Public School

Class XII, CBSE

2019 – 2021

Eluru, Andhra Pradesh

### Sir CR Reddy Public School

Class X, CBSE

2019

Eluru, Andhra Pradesh

## INTERNSHIP

### Nuziveedu Seeds Limited

Software Developer Intern

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.