

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 , ReactJS and Problem-Solving skills to build reliable software solutions while continuously and improve as a developer

EDUCATION

VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY	Guntur, Andhra Pradesh
B-Tech Computer Science and Engineering	2021–2025
SIR CR REDDY PUBLIC SCHOOL	Eluru, Andhra Pradesh
Class XII , CBSE	2019–2021
SIR CR REDDY PUBLIC SCHOOL	Eluru, Andhra Pradesh
Class X , CBSE	2019

INTERNSHIP

Software Developer Intern – Nuziveedu Seeds Limited Hyderabad, India | July -December 2025

- 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

Programming Languages: Java, JavaScript, Python

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

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

DataBases: MongoDB, MySQL

Web Services: REST

CS Fundamentals: OOP, Data Structures & Algorithms, OS, SDLC

Tools: Docker, Maven, GitHub, Postman,IntelliJ/Eclipse, GitHub Copilot

PROJECTS

Habit Tracker – Pomodoro-Enhanced Productivity System May 2025| [Github - Link](#)

Tech Stack : Java, Spring Boot , React.js, Redux , REST APIs, H2, Maven,Tailwind CSS

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

- Built a Pomodoro-based habit tracking system with configurable timers, streak tracking, and contribution-style 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

May-2025| [Deployment - Link](#)

Tech Stack : React , NodeJs , Express , MongoDB , Mongoose , JWT , NanoID

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

- 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 (201, 401, 404, 409, 500)
- Developed responsive dashboard UI using React 18 + TypeScript with Tailwind CSS utility classes, featuring animated transitions via Framer Motion, real-time QR code generation using qrcode library, and modal-based analytics and also custom alias support, URL expiration controls, and comprehensive error handling (duplicate key detection, validation errors) reducing unauthorized access and improving 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/>