Ala Sai Harsha

alasaiharsha@gmail.com - [LinkedIn](#) - [alasaiharsha.me](#) - [GitHub](#) +91-7569517482

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 learning and improving 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 Data JPA
Databases: MongoDB, MySQL
Web Services: REST
CS Fundamentals: OOP, Data Structures & Algorithms, OS, SDLC
Tools: Docker, Maven, GitHub, Postman, IntelliJ IDEA, 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.js, Node.js, Express.js, 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/