Sri Raghul Krishna A

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Executive Summary

Full Stack Developer focused on building **production-grade web applications** with strong emphasis on scalability, security, and clean system design. Experienced in backend API development, frontend architecture, and real-world deployments. Actively expanding expertise in **Artificial Intelligence** to deliver intelligent, high-impact software solutions.

Education

Jansons Institute of Technology	**Sep 2023 − Present**
Bachelor of Engineering in Computer Science and Engineering	*Coimbatore*
Thamarai Matric Hr Sec School	**Jul 2022 − Mar 2023**
Higher Secondary	*Erode*

Work Experience

ELGI Equipments	**Jul 2025 − Nov 2025**
Software Developer Intern	*Coimbatore*

- Developed internal business applications supporting operational workflows and process automation initiatives.
- Collaborated with cross-functional stakeholders to gather requirements and deliver reliable software solutions.
- Contributed to digital transformation projects focused on usability and operational efficiency.

Projects

Product Management REST API | *Source Code*   **Node.js | Express.js | MongoDB**

- Designed and developed a modular, production-ready REST API for secure product management workflows.
- Implemented **JWT-based authentication** with password hashing, protected routes, and access control.
- Built scalable **CRUD operations** using Mongoose with clean separation of concerns.

Portfolio | *Website*   **React.js | GSAP**

- Engineered a desktop-like web portfolio simulating macOS window behavior directly in the browser.
- Implemented draggable windows with dynamic z-index control and lifecycle-based state management.
- Orchestrated smooth entry, exit, and drag animations using **GSAP**, driven by application state.
- Designed a scalable frontend architecture emphasizing performance, predictability, and clean UI composition.

To-Do List Web Application | *Source Code*   **React.js | Vite | CSS**

- Built a responsive task management application using React Hooks for dynamic state handling.
- Implemented persistent task storage using localStorage with intuitive user interactions.

Static Website Deployment on AWS   **AWS EC2 | NGINX | HTML**

- Deployed a responsive static website on AWS EC2 using NGINX for reliable public access.
- Configured Linux-based hosting, routing, and server setup to ensure stability and performance.

Technical Skills

Languages: JavaScript, Java, SQL, HTML, CSS
Frameworks & Libraries: React.js, Node.js, Express.js, MongoDB, GSAP
Tools & Platforms: Git, GitHub, Postman, AWS EC2, NGINX, Linux, VS Code

Courses & Certifications

Infosys Springboard: Data Structures, Python (NumPy & Pandas), Operating Systems, IoT
NPTEL: Extended Reality Technologies
Additional Skills: 3D Printing