

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

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| Jansons Institute of Technology <i>Bachelor of Engineering in Computer Science and Engineering</i> | Sep 2023 – Present |
| | <i>Coimbatore</i> |
| Thamarai Matric Hr Sec School <i>Higher Secondary</i> | Jul 2022 – Mar 2023 |
| | <i>Erode</i> |

Work Experience

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|---|----------------------------|
| ELGI Equipments <i>Software Developer Intern</i> | Jul 2025 – Nov 2025 |
| | <i>Coimbatore</i> |
| <ul style="list-style-type: none">– 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

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|--|---------------------------------------|
| Product Management REST API <i>Source Code</i> | Node.js Express.js MongoDB |
| <ul style="list-style-type: none">– 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 <i>Website</i> | React.js GSAP |
| <ul style="list-style-type: none">– 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 <i>Source Code</i> | React.js Vite CSS |
| <ul style="list-style-type: none">– 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 |
| <ul style="list-style-type: none">– 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