

# SRI RAGHUL KRISHNA A

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## Executive Summary

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Full Stack Developer specializing in building **production-ready web applications** with a strong focus on scalability, security, and user-centered design. Skilled in developing reliable backend systems, designing responsive interfaces, and deploying applications in real-world environments. Actively expanding expertise in **Artificial Intelligence and Machine Learning** to create intelligent, high-impact software solutions.

## Education

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### Jansons Institute of Technology

*Bachelor of Engineering in Computer Science and Engineering*

Sep. 2023 – Present

Coimbatore

### Thamarai Matric Hr Sec School

*Higher Secondary*

July 2022 – Mar 2023

Erode

## Work Experience

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### ELGI Equipments

*Software Developer Intern*

July 2025 – Nov. 2025

Coimbatore

- Developed internal business applications using JavaScript, React.js, and Microsoft Power Apps to support operational workflows.
- Contributed to process automation and digital transformation initiatives across multiple business units.
- Collaborated with cross-functional stakeholders to gather requirements and deliver reliable, user-friendly solutions.

## Projects

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### Product Management API with JWT Authentication

Node.js | Express.js | MongoDB

- Developed a modular, production-ready REST API backend using **Node.js**, **Express.js**, and **MongoDB (Mongoose)** for secure and scalable product management.
- Implemented complete **JWT-based authentication**, including validated user registration, password hashing, login via email/username, and token-protected endpoints.
- Designed robust **CRUD operations** for products, enforcing authenticated access and maintaining a clean, maintainable API architecture.

### Static Website Deployment on AWS

AWS EC2 | NGINX | HTML | CSS

- Deployed a responsive static website on an **AWS EC2** instance using **NGINX** as the web server.
- Configured Linux-based hosting, routing, and deployment to ensure stable, performant, and user-friendly public access.

### To-Do List App

React.js | Vite | CSS

- Built an interactive To-Do web application using **React Hooks** for dynamic state management and smooth user interactions.
- Enabled task creation, completion, and persistence using **localStorage** with a clean, responsive user interface.

### Text-to-Audio Converter Web App

JavaScript | Web Speech API | HTML | CSS

- Developed a browser-based text-to-speech tool using the **Web Speech API** and vanilla JavaScript.
- Implemented adjustable voice, rate, and pitch controls within a simple, responsive interface to improve accessibility.

## Technical Skills

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**Languages:** JavaScript, Java, SQL, HTML, CSS

**Developer Tools:** VS Code, Git & GitHub, Postman, AWS EC2, NGINX, Linux

**Libraries/Frameworks:** React.js, Node.js, Express.js, MongoDB, Power Apps

## Courses & Certifications

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**Infosys Springboard:** Data Structures, NumPy and Pandas Python, Operating Systems, Internet of Things

**NPTEL:** Extended Reality Technologies

**Additional Skills:** 3D-Printing