

# Rogul Jayaraman

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## Career Statement

I am a final year Electronics and Communication Engineering student at Sri Krishna College of Engineering and Technology, Coimbatore, with a strong foundation in Embedded Systems, IOT, Programming, Web Development, and Web Design. My strengths include Problem-Solving, Adaptability, Proactive Learning, Teamwork, and Leadership. I am seeking an entry-level opportunity to apply my skills and knowledge in developing innovative projects.

## Academic Credentials

### Bachelor of Engineering

Major in Electronics and Communication Engineering.  
Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu.  
CGPA: 8.20

### Higher Secondary School

Kongu Matric Hr Sec School, Namakkal, Tamil Nadu.  
Percentage: 95.16%

### Secondary School

Kalaimagal Matric Hr Sec School, Namakkal, Tamil Nadu.  
Percentage: 74%

## Skills

- |                   |                    |                |                      |
|-------------------|--------------------|----------------|----------------------|
| ○ C++             | ○ Embedded Systems | ○ Proteus      | ○ Testing            |
| ○ Python (Basics) | ○ PCB Design       | ○ Keil µVision | ○ Problem Solving    |
| ○ C (Basics)      | ○ I2C, UART        | ○ SQL & MySQL  | ○ Software Debugging |
| ○ Verilog         | ○ Circuit Design   | ○ MERN Stack   | ○ Troubleshooting    |
| ○ OOP Concept     | ○ Circuit Analysis | ○ Git & GitHub | ○ Team Collaboration |
| ○ Data Structures | ○ Prototype Design | ○ Electronics  | ○ PC Building        |

## Projects

### 1. Kanban Board for Task Management - MongoDB, Express.js, React.js, Node.js (MERN Stack), Git

Developed a full-stack web application to manage tasks across multiple projects. Implemented user authentication, task categorization into "To-Do," "In Progress," and "Completed," with a responsive and user-friendly interface.

### 2. Dynamic Invoice Generator - HTML, CSS, JavaScript, Git

Built a responsive and user-friendly invoice generator web application that allows users to dynamically add billing rows, calculate subtotals, taxes, and grand total in real time.

### 3. Smart Irrigation Management System - Embedded C, Arduino IDE, Node MCU, ESP32-Camera

Designed an IoT-based irrigation system that monitors soil moisture and automates water supply, optimizing resource use and supporting sustainable farming.

## Internship Experience

### Full Stack Developer Intern | Rampex Technologies | September, 2024 - December, 2024

Contributed to the development of the official Rampex website by designing and implementing responsive layouts using HTML, CSS, JavaScript, and React.js. Emphasized clean visual aesthetics, smooth navigation, and mobile responsiveness to enhance the overall user experience.

### Embedded Systems Intern | Zero Value Info Tech | June, 2024 - July, 2024

Gained practical knowledge in embedded systems, including hardware interfacing and microcontroller programming. Developed basic projects using sensors, microcontrollers, and communication modules. Strengthened skills in circuit design, embedded C programming, and system integration.

## Achievements

- Runner-up - **PC Building** at CRYPTERA 2025, Coimbatore Institute of Technology - Feb 21, 2025.
- Winner - **Product Expo** at BIT V-PRAYUKTI'25, Bannari Amman Institute of Technology - Feb 8, 2025.