

# Sujal Samai

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## Skills

**Programming Language:** Java | SpringBoot | SQL | JavaScript

**Tools:** Git | POSTMAN | Linux | Maven | MQTT

**Certifications:** [CCNA - Introduction to Networks](#) | [React.js Essentials](#)

## Work Experience

DigiValet, Software Engineer

July 2024 - Present

- **Optimized** multiple Spring Boot microservices by refactoring service interactions and consolidating API workflows, which **reduced API calls by 90%** (from 100+ to just 10) in key scenarios. This significantly **improved application performance, reduced load**, and enhanced overall resource efficiency.
- Engineered real-time backend communication for the LG TV Pro:Centric app & Samsung Tizen TV App by integrating the **MQTT protocol, ensuring low-latency**, efficient data exchange between Smart Televisions and guest devices. This contributed to a smoother and more responsive user experience while simultaneously achieving avoidance of code rewrites for every new TV model.
- Led the integration of Music Modules and Guest Room Management Services (GRMS), utilizing **socket programming and serial connections** for device communication. This enabled centralized control over in-room systems, directly improving guest satisfaction and operational efficiency.
- **Developed and deployed** Alexa integrations with **OAuth 2.0** authentication, enabling secure, voice-activated control over multiple devices within the core hospitality product. This innovation expanded product capabilities, offering a hands-free, smart-room experience for end users.

Digivalet, Software Engineer Intern

Jan 2024 - June 2024

- **Developed a microservice** to integrate **multiple smart door lock systems** from different vendors, ensuring seamless interoperability and centralized management.
- Built an accompanying **utility dashboard** to monitor and manage **Zigbee network nodes** efficiently, **reducing troubleshooting time by 30%** and **improved network stability** across smart environments.
- **Enhanced the streaming capabilities** by enabling **secure streaming of encrypted channels** and optimizing support for **HLS** (HTTP Live Streaming) based channels, **increasing content delivery reliability by 25%** and expanded the product's compatibility with premium content providers, driving broader customer adoption.

## Projects

GreenKart

[greencart.vercel.app](https://greencart.vercel.app) | [SujalSamai/GreenKart](#) | Dec 2023

**Technologies:** Next.js | MongoDB | Stripe

- Developed a B2C e-commerce platform for organic, eco-friendly products from Indian startups.
- Developed APIs using Next.js serverless functions, ensuring efficient, scalable, and seamless communication between the frontend and backend.
- Integrated MongoDB for scalable data management and Stripe API for secure payment processing.

GitShow

[gitshowbysmg.vercel.app](https://gitshowbysmg.vercel.app) | [MadhaviGupta/GitShow](#) | Feb 2023

**Technologies:** React.js | Firebase | Github API

- Built a social platform for developers to showcase GitHub projects with a modern UI.
- Leveraged Firebase for a robust backend and React.js with Tailwind CSS for a responsive frontend, resulting in improved scalability, faster page loads, and a smooth, user-friendly experience throughout the project.
- Integrated GitHub API to fetch and optimize user data, making profile setup more efficient.

## Education

Medi-Caps University, Indore, India

2020 - 2024

B.Tech in Computer Science and Engineering

CGPA: 9.15/10.00

## Achievements

- **Achieved "Best Overall Project"** title at MLH's Design-a-thon Hackathon. | [tinyurl.com/vogueeco](https://tinyurl.com/vogueeco)
- Ranked in the **top 21%** of Leetcoders globally with a **1600+** rating.
- Secured a **top 350** position among 51,000+ participants in the TVS E.P.I.C. Hackathon.
- Student Community Member of First Generation Nothing Program at [Nothing Technology Ltd.](#)