# C MADHU SUDHAN

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## PROFILE SUMMARY

Backend Developer with expertise in Java, Spring Boot, MySQL. Passionate about building scalable, secure web applications and contributing to open-source projects. Focused on optimizing development workflows and delivering high-quality, maintainable solutions.

## EXPERIENCE

**Besant Technologies** | Full Stack Developer Intern
- Completed hands-on training, gaining practical experience in Java, Spring Boot, MySQL, JavaScript.
- Built a real-world full stack project focused on secure banking operations and modern web application development.
- Learned end-to-end including backend API development, frontend integration, and web security practices

**LTIMindtree** | Intern
- Completed specialized training in automated boundary detection, improving data processing efficiency and achieving high accuracy in boundary detection results.
- Worked closely with the team to collect and manage a large set of spatially labelled data points, optimizing dataset division for model training and preparing data for development.
- Collaborated with the team to integrate trained models onto new spatial imagery, using version control systems to enhance deployment processes and foster better collaboration.

## PROJECTS

**CLOUDVAULT (**Banking Application**) |** GitHub
- Developed the backend for a secure banking platform using Spring Boot and MySQL, supporting user authentication, account management, fund transfers, and fixed deposit operations.
- Implemented JWT-based authentication with refresh tokens and Spring Security, providing secure session management with auto-logout and seamless token renewal.
- Built RESTful APIs for core banking functions, including transaction processing, fixed deposit creation and tracking, and PDF statement generation using iText7.
- Enhanced backend security with BCrypt password hashing, CORS configuration, rigorous input validation, and detailed API documentation via Swagger.

**JSON PARSER APPLICATION |** GitHub
- Developed a JSON parser application in Java, enabling efficient parsing and validation of JSON files.
- Implemented core features such as a tokenizer, parser, and error handling to process and validate JSON data structures.
- Exposed JSON processing functionalities to retrieve parsed results or error messages.
- Created both valid and invalid JSON files to test and ensure the accuracy and robustness of the JSON parsing and validation processes.

## SKILLS SUMMARY

- **Languages:** Java, JavaScript, SQL (MySQL)
- **Frameworks:** Spring Boot, Hibernate
- **Tools:** Git, GitHub, Swagger, Postman, Render, itext
- **Concepts:** Rest APIs, Agile, SOLID Principles, System Design, Software Debugging & Testing

## EDUCATION

**RAYALASEEMA UNIVERSITY COLLEGE OF ENGINEERING**
Bachelor of Electronics and Communication; GPA: 7.37                                    August 2020 – May 2024

## CERTIFICATIONS

**NXTWAVE** - Web development and design using HTML, CSS, JavaScript: Completion (Jan 2022 – Apr 2022)
**LINKEDIN LEARNING** – Agile Project Management: Certificate of Completion (May 2024 – Jun 2024)
**BESANT TECHNOLOGIES** – Full Stack developer training: Certificate of Completion (Nov 2024 – May 2025)

## ROLES AND RESPONSIBILITIES

- Prominent leader and key contributor in the IoT lab.
- Anchored college events, coordinating with teams for seamless execution.