

# THEYAGARAJA S

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## Professional Summary

Dynamic Full Stack Web Developer Intern with hands-on experience at Offline Intern, excelling in web application development using HTML, CSS, JavaScript, and PHP. Proven ability to integrate IoT solutions and collaborate effectively in teams, enhancing problem-solving skills and delivering responsive user interfaces that meet industry

## Standards.Educational Qualifications

**B.Tech-Computer science engineering(6<sup>th</sup> semester)**

May 2027

SRM Institute of science and Technology - Tiruchirappalli Current

CGPA – 7.50

## Professional Credentials & Experience

- ❖ Foundations of AI/ML – Geeks for Geeks
- ❖ AWS Academy Cloud Foundations - AWS
- ❖ Python Full Stack Development – EduSkill
- ❖ Fullstack Development(Internship) –Paragon Dynamics Pvt.Ltd

## Technical Skills Research & Publications

Java||Python||C||C++||JavaScript||HTML||CSS||MySQL||Git Hub||IoT Integration||Problem Solving

### Smart Health Ledger: Transforming Healthcare Finance Through Blockchain-Powered Data Systems| Mar-2023

- Journal of Neonatal Surgery, 2024 (Scopus Indexed)
- Paper Title: *Smart Health Ledger: Transforming Healthcare Finance Through Blockchain-Powered Data Systems*
- Role: Co-Author
- Co-authored a research paper proposing a blockchain-based healthcare finance and data management system to ensure secure, transparent, and tamper-proof medical transactions.
- Contributed to system architecture design, analysis of blockchain-powered data systems, and evaluation of improved data integrity, security, and interoperability in healthcare applications.

🔗 Paper Link: <https://www.jneonatalsurg.com/index.php/jns/article/view/6340>

## Technical Projects

### IoT-Based Smart Monitoring and Automation System

Feb 2023 – May 2024

- Worked with Arduino, ESP8266/ESP32, sensors, and Wi-Fi communication for real-time data collection and control
- Integrated IoT devices with cloud platforms and databases for live monitoring, alerts, and data visualization and gained hands-on experience in hardware-software integration, debugging, and system optimization

### Intelligent Healthcare Management System

Dec 2025 – Jan 2026

- Designed and developed a **secure, scalable hospital management system** with role-based access control for Admin, Doctor, and Patient modules
- Implemented **role-specific functionalities** including patient management, appointment scheduling, and controlled access to electronic medical records
- Integrated **real-time notifications and internal messaging** for appointment updates and system alerts
- Implemented **QR code-based patient identification** for fast and secure retrieval of patient information
- Developed a robust backend using **SQL/PostgreSQL with Supabase**, integrated with a web-based interface to ensure efficient and secure hospital data management