THEJUS K

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Career Objective

Computer Science postgraduate with hands-on experience in full stack development, backend systems, and IoT-based real-time applications. Skilled in MERN stack development, REST API design, database management, and system integration. Seeking an entry-level Full Stack Developer, Backend Developer, or IoT Engineer role to contribute to scalable and impactful real-world solutions.

Education

M.Sc. Computer Science
Kannur University   2023 – 2025

B.Sc. Computer Science
Kannur University   2020 – 2023

Technical Skills

Programming Languages: JavaScript, Python
Frontend Technologies: React.js, HTML, CSS, Tailwind CSS
Backend Technologies: Node.js, Express.js, REST APIs
Databases: MongoDB, MySQL
IoT Technologies: ESP32, Sensors, ThingSpeak
Tools: Git, GitHub, VS Code
Other Skills: Basic Machine Learning, API Integration

Experience

Full Stack Developer (Associate)
IOTRICS LLP (Startup under KU-IIF)   May 2025 – Present

- Developed scalable full stack web applications using the MERN stack.

- Designed and implemented RESTful APIs using Node.js and Express.js.

- Managed MongoDB database schemas and backend logic.

- Assisted in machine learning model development and optimization.

- Contributed to rapid prototyping in a startup-driven R&D environment.

Projects

Vrishti – Weather Monitoring System

- Developed an IoT-based real-time weather monitoring and microclimate analysis system.

- Integrated ESP32 sensors with ThingSpeak for live data visualization.

- Showcased at KSCSTE R&D Summit 2025.

- Secured Expression of Interest (EOI) with ICCS for continued development.

GitHub Repository: github.com/Thejuskalyadan/weatherbuddy

Hush Baby – Baby Cry Alert System

- Built an IoT-based baby cry detection system for hearing-impaired parents.

- Implemented real-time wearable notification alerts.

- Designed with pediatric expert consultation; patent filing in progress.

GitHub Repository: github.com/Thejuskalyadan/baby_cry

Lumora – Portable Stargazing System

- Developed a portable IoT-enabled stargazing system with laser-based celestial tracking.

- Exhibited during National Science Day at Kannur University.

- Presented to IUCAA faculty and invited for live research demonstration.

Languages

English (Fluent)
Malayalam (Native)