

# DHARUNESHWAR R

## SOFTWARE DEVELOPER

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## ABOUT ME

Passionate Computer Science Engineering student specializing in web and mobile application development. Skilled in MERN stack and .NET MAUI, with hands-on experience in REST APIs, AWS, and databases. Quick learner, adaptable, and eager to contribute innovative solutions to real-world problems.

## EDUCATION

2022 - 2026	<b>B.Tech: Computer Science and Engineering</b> Puducherry Technological University (PTU) CGPA : 8.75 / 10 (upto VI semester)
2020 - 2022	<b>Higher Secondary: State Board</b> Petit Seminaire Higher Secondary School , Puducherry Percentage : 91.33

## SKILLS

- Web & Mobile:** MERN Stack (React, Node.js, Express), .NET MAUI (C#), Android (Java).
- Languages & Backend:** JavaScript, C#, Java, PHP, RESTful API Development.
- Cloud & Database:** AWS (EC2, S3, RDS, IAM, DynamoDB), MySQL, MongoDB, Firebase.
- Developer Tools & Version Control:** Git, GitHub, VS Code, Postman, Docker, Kubernetes.
- Soft Skills & Practices:** Learning Agility, Time Management, Pressure Handling, Adaptability.

## PROJECTS

### • SMART ICU PATIENT MONITORING SYSTEM

Designed and developed an Android-based ICU monitoring app using Firebase for real-time patient vitals, improving alert response for healthcare staff.

### • SMART SOLAR PANEL MONITORING DRONE (ONGOING PROJECT)

Developed a backend API for a Drone Interface System using Node.js, Express, and MySQL (xampp) to manage real-time data (battery, environment, status), authentication, and admin controls, while also integrating a Python microservice with FastAPI, Rasterio, and Pyproj for advanced geospatial analysis.

## INTERNSHIPS

### • Full Stack Web Development

Software Development Intern at VcodeWonders (May 17, 2024 – June 14, 2024). I quickly learned the MERN stack (MongoDB, Express, React, Node.js) during this 4-week internship. I successfully applied these skills to build a simple e-commerce application, including creating RESTful APIs with Node.js and Express to handle all data management.

### • Mobile Application Development

Mobile Application Developer Intern at Aquila Innovations (June 27, 2025 – July 26, 2025). Over a 4-week period, I developed the cross-platform mobile application GREET using .NET MAUI. The app allows tourists to scan monuments to instantly retrieve detailed information, demonstrating skill in native feature integration and cross-platform application development.