

# Sudhi Kumaran S K

Software Developer | Full Stack Developer (MERN / PERN)

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## SUMMARY

Results-driven **Full Stack Software Developer** with hands-on experience building scalable web and mobile applications using **MERN and PERN stacks**. Strong expertise in **React, Node.js, REST APIs, PostgreSQL, MongoDB**, and AI integrations. Proven ability to deliver **production-ready applications**, optimize backend performance, and lead teams to ship projects on time.

## SKILLS

**Programming Languages:** JavaScript, Python

**Frontend:** React.js, HTML, CSS, Tailwind CSS

**Backend:** Node.js, Express.js, REST APIs

**Databases:** MongoDB, PostgreSQL, SQL

**Tools:** Git, GitHub, Postman, VS Code, Firebase

**Concepts:** CRUD Operations, MVC Architecture, API Integration

## EXPERIENCE

### Software Developer Intern

*Fortumars AI Technologies & Business Solutions*

08/2025 – 11/2025

Coimbatore, India

- **Engineered** over three MERN-based web applications, including HRMS and Finance platforms, used by internal teams.
- **Executed** secure REST API development and database integrations, supporting **3+ core modules** and scalable backend services.
- **Streamlined** backend queries and business logic, improving API response times by approximately 25 percent.

## PROJECTS

### Ripple.ai

- Designed and built a PERN-based SaaS platform with **5+ AI features** including text and image generation.
- Integrated Google Gemini APIs, handling **100+ AI requests/day** during testing.
- Enhanced backend performance by **~30%** through query optimization and modular APIs.

### Protena AI

- Built an AI-driven nutrition platform analyzing **10+ dietary parameters** per user.
- Implemented machine learning-based recommendation logic to generate personalized diet insights.
- Improved dashboard usability, reducing user interaction steps by **~40%**.

## EDUCATION

### Bachelor of Engineering (BE) Computer Science & Engineering

2022 – 2026

*Sri Shakti Institute of Engineering & Technology*

Coimbatore

### Higher Secondary (HSC)

2020 – 2022

*Nyruthi Vidhya Bhavan Matric Hr Secondary School*

Tirupur

## CERTIFICATIONS

- Python Programming — Udemy
- MERN Stack — Udemy

## ACHIEVEMENTS

- Successfully delivered **5+ real-world web and mobile applications**.
- Recognized for **leadership, quick adaptability, and consistent performance**.
- Mentored junior developers and contributed to collaborative team success.