

# Pavankumar Reddy Thummala

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## Education

### Narasaraopeta Engineering College

Bachelor of Technology in Electronics And Communication Engineering

CGPA: 7.2/10

Narasaraopet

Dec 2021 – May 2025

## Internship

### Java Full Stack Developer

Jun 2025 – Sept 2025

Zaalima Development

Remote

- Full-stack developer with hands-on experience in building **end-to-end applications using Java, Spring Boot, and React.js.**

- Skilled in designing secure REST APIs, integrating responsive UIs, and managing relational databases.

- Experienced in deployment, containerization, and version control with modern DevOps tools.

- **Tech Stack:** Backend: Java (JDK 17+), Spring Boot (Spring Data JPA, Spring Security, Validation); Frontend: React.js (Hooks, Context API), Axios, Tailwind CSS / Bootstrap; Database: MySQL, PostgreSQL; Tools & DevOps: Postman, Swagger, Docker, Git/GitHub, Netlify, Vercel

### Full Stack Developer Intern

May 2025 – Aug 2025

Code Core Global

Remote

- Completed a structured internship focusing on **Core Java, JDBC, Spring Boot, and REST API development.**

- Hands-on experience in unit testing, API security (JWT), and database integration with MySQL.

- Built and delivered a backend project VillageConnect, showcasing secure CRUD operations and API documentation with Swagger.

- **Tech Stack:** Languages & Core: Java (OOP, Collections, File I/O, JDBC); Backend Frameworks: Spring Boot, Spring Data JPA, Spring Security (JWT); Database: MySQL; Testing & Docs: JUnit, Mockito, Swagger, Postman; Tools: Maven, Git & GitHub, Docker

## Projects

### Soil Type Detection Using CNN

- Applied Deep Learning (CNNs with residual and separable convolutions) for soil classification with preprocessing & augmentation.
- Deployed a real-time prediction system using Flask for agricultural applications.
- Tech Stack: Flask, Preprocessing, Data Augmentation (rotation, brightness, zoom)

### Community Service Project

- Used IoT, AI, and smart farming tools to improve crop productivity and sustainability.
- Empowered farmers with data-driven insights for resource management.
- Tech Stack: IoT Devices & Sensors (soil, weather, crop monitoring); AI & Data Analytics (yield prediction, disease detection, decision optimization); Cloud & Mobile Apps (dashboards and real-time farmer access)

## Technical Skills

**Languages:** JavaScript, TypeScript, HTML, CSS, C, C++, Java

**Frameworks:** React.js, Next.js, Flask, Node.js, Tailwind CSS, Bootstrap, Spring, GWT

**Others:** WordPress, Git, Firebase, Linux, Vercel, Netlify, MongoDB, postgres