

# Praveen M

## Java Full Stack Developer

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Erode, Tamil Nadu, India

## Profile

Energetic and detail-oriented Java Full Stack Developer with experience in Java, Spring Boot, React JS, and MySQL. Strong leadership and project skills demonstrated through internships, academic projects, and business contributions. Actively seeking opportunities to contribute to scalable, customer-centric digital solutions.

## Skills

- **Core Technologies:** Java, JavaScript, Python, HTML, CSS, MySQL, Oracle, React JS, Hibernate, Spring Boot, Microservices
- **Tools:** IntelliJ IDEA, Eclipse, VS Code, GitHub, AWS, Azure, Power BI, Docker, AI Tools
- **Soft Skills:** Communication, Critical Thinking, Team Collaboration, Time Management, Adaptability

## Projects

- **Agriculture Knowledge Assistant (AgriBot)** – Built a responsive AI-powered web app offering crop, soil, pest, and weather-based farming advice with interactive chat and image upload features.  
[\[GitHub\]](#)
- **AI-Powered Virtual Assistant** – Built a real-time voice-enabled assistant with weather, web search, and email automation using LiveKit, Google Realtime API, and Python.  
[\[GitHub\]](#)
- **Encrypted K-NN for Secure Data Analysis** – Developed a secure Java-based algorithm using AES encryption with K-Nearest Neighbors to protect sensitive datasets against inference attacks.
- **IoT-Based Industrial Safety System (Industrial project)** – Designed an alert system using gas, fire, and voltage sensors; integrated with cloud monitoring and real-time alerts for industrial safety.
- **Pipeline Inspection Robot (Design Project)** – Built a robotic vehicle equipped with a camera and image recognition to detect structural cracks and corrosion inside pipelines.
- **Alcohol Detection and Engine Locking System (Mini project)** – Engine ignition interlocked with alcohol sensor readings and GPS; automatically sends alerts to emergency contacts via GSM.

## **Business Experience – Idly Express**

### **Business Development & Website Creation (2024–2025) [\[Live\]](#)**

Digitally modernized my father’s traditional breakfast shop, “Idly Express,” established in 2011.

- Built a responsive website with pages like Menu, Gallery, Contact, and Online Booking.
- Added WhatsApp/call buttons, mobile-friendly UI, and order form integration.
- Created posters and video content for social media marketing to boost visibility and footfall.
- Applied basic SEO to improve discoverability for local searches.

## **Education**

- B.E. Electronics and Communication Engineering – Excel Engineering College (Autonomous), 2020–2024 — CGPA: 8.02
- Senior Secondary (12th): Sengunthar Higher Secondary School — 66.3%
- Secondary (10th): Al-Ameen Matric Higher Secondary School — 78.4%

## **Internships**

- Java Full Stack — Tap Academy (Sep–Mar 2025)
- Java Development — Shiash Info Solutions Pvt Ltd (Jan–Mar 2024)
- IoT — Altitudes Software Solutions, Coimbatore
- Embedded with AI and IoT — NSIC, Chennai
- Power BI — ICT Academy

## **Workshops**

- Ethical Hacking and Cyber Security — Sree Sakthi Engineering College
- Green Energy — Dhanalakshmi Srinivasan College
- PCB Design and Embedded Systems — KPR College of Engineering

## **Extracurricular Activities**

- President – ECE Department (2023–2024)
- Joint Secretary – ECE Department (2022–2023)
- Rotaract Club Member (2021–2023)

## **Personal Details**

- Languages Known: English, Tamil
- Willing to Relocate: Yes
- Disability: None

## **Declaration**

I hereby declare that the above information is true to the best of my knowledge and belief.

Place: Erode