

# PADMANATHAN V

## Software Engineer

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<https://github.com/25rohit>

## SUMMARY

I am a results-driven Software Engineer with over 3 years of experience in developing scalable web applications and backend systems. Proficient in languages such as Java, JavaScript, and Python, I have a consistent record of delivering high-quality software on time. Collaborating effectively across teams, I bring a strong focus on performance optimization and user-centered design.

## EXPERIENCE

### Software Developer

#### R G D Information Technology

📅 01/2022 - 02/2022 📍 Chennai

A company specializing in information technology solutions

- Developed and maintained full-stack web applications using Java Spring Boot and React
- Integrated RESTful APIs and third-party libraries to extend app functionality
- Optimized application performance, reducing load time by 35%
- Collaborated with UI/UX team to ensure responsive and accessible designs

## EDUCATION

### Bachelor of Technology in Artificial Intelligence and Data Science

#### Arunai Engineering College

📅 Sep2022-May2026 📍 Tamil Nadu

### Higher Secondary

Sri.V.D.S Jain Hr Sec School

75%

### High Education

Sri.V.D.S Jain Hr Sec School

75%

## LANGUAGES

**English**  
Proficient



**Tamil**  
Native



**Hindi**  
Basic



## PROJECTS

💡 **Pharmacy Drug Management System**

## STRENGTHS

### 9 Professional Strength

Strong problem-solving skills and a passion for clean, efficient code

## KEY ACHIEVEMENTS

- **Achievement in Hack O Holics 2.0**  
Achieved second place in a national level competition, Hack O Holics 2.0, showcasing strong problem-solving skills and innovation

## SKILLS

**Django** **Docker** **Git** **GitHub**

**HTML** **IoT** **Java**

**Java Spring** **JavaScript**

**MongoDB** **OpenCV** **Python**

**React** **REST** **SQL**

**Visual Studio Code** **Gmail**

## INTERESTS

### ★ Webinars and Workshops Participation

Attended various webinars and workshops to enhance knowledge in web technologies

- Web app for managing **drug inventory, supplier details, billing, and tracking medicines.**
  - Automated stock alerts & expiration monitoring.
  - Improved efficiency in pharmacy operations.
  - **Tech:** React, Node.js, MySQL.
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#### ➡ Campus Recruitment Management System

- Digital platform for colleges to manage **student placements, recruiter info, and eligibility tracking.**
  - Automated student shortlisting based on company criteria.
  - Dashboard for recruiters and training coordinators.
  - **Tech:** Java, Spring Boot, MySQL.
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#### 🍽️ Food Safety & Quality Control

- Prototype for monitoring **food safety standards, inspections, and compliance reporting.**
  - Automated violation alerts to regulatory authorities.
  - Enabled data-driven analysis of food inspections.
  - **Tech:** Python, Django, MongoDB.
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#### 🏢 Mall CRM Management (Concept)

- Salesforce-powered **CRM dashboard** for malls.
  - Features: **lease tracking, tenant management, and analytics.**
  - Improved decision-making for mall administrators.
  - **Tech:** React, Node.js, Salesforce (concept).
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#### 📡 IoT Temperature Monitor

- IoT prototype for **collecting sensor data and visualizing temperature trends.**
  - Real-time alerts for abnormal values.
  - Used in industrial and home automation.
  - **Tech:** Python, MQTT, React Dashboard.
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#### 🚗 IoT Smart Parking System

- IoT-based parking system with **real-time slot availability tracking.**
  - Cloud dashboard + mobile app for live slot navigation.
  - Reduced congestion and improved space usage.
  - **Tech:** Python, MQTT, React.js, Node.js, MySQL.
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#### ➡ University Counseling System

- Platform for **student career counseling and program selection.**
- AI-driven recommendations based on profile & interests.
- Dashboard for counselors to guide students.
- **Tech:** Java, Spring Boot, React.js, MongoDB.

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### 🚚 Smart Food Delivery in Railway Stations

- System for **passengers to pre-order meals during travel.**
- Integrated with **PNR system** for seat-wise delivery.
- Optimized vendor allocation and delivery timing.
- **Tech:** Django, React Native, REST APIs, MySQL.

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### 🌾 Crop Yield Management System

- Platform for **predicting and monitoring crop yields.**
- Uses **weather, soil, and historical data** for forecasting.
- Helps farmers with irrigation & fertilizer planning.
- **Tech:** Python, ML (Scikit-learn), Django, React.js, MongoDB.