

# PraveenKumar K

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## Summary

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Junior Full-Stack Developer with production experience across Flutter, Spring Boot, and Next.js, specializing in IoT-enabled systems and AI-powered applications. Delivered end-to-end solutions including real-time dashboards, REST and WebSocket integrations, and LLM-based chatbot and RAG workflows built using Python and Spring AI. Strong focus on scalable backend design, clean UI architecture, and reliable system integration.

## Skills

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**Languages:** Java, Python, Dart, JavaScript, SQL

**Backend:** Spring Boot, Spring Security, Spring Data JPA, FastAPI, REST APIs

**Frontend:** Flutter, ReactJS, Next.js, Tailwind CSS

**AI / LLM:** Python, LLM Integration, RAG, Prompt Engineering, Vector Databases (Qdrant)

**Databases:** MySQL

**Tools:** Git, GitHub

## Work Experience

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### Appikorn Consultancy

*Junior Fullstack Developer*

**Pondicherry**

*Apr 2024 – Present*

#### Key Skills:

- User Interface Development
- Debugging and Troubleshooting
- Issue Resolution and Client Interaction
- IoT Dashboard Design and API Integration

#### Responsibilities and Achievements:

- Developed a responsive HR dashboard frontend using **Next.js**, integrating REST APIs and WebSocket-based real-time chat to enable instant communication between HR teams and internal users.
- Developed and delivered a fully responsive web and Android application for a Qatar-based client, handling end-to-end API integration and UI delivery.
- Built IoT-enabled applications for smart coffee vending machines, enabling real-time device control and beverage configuration.
- Designed Flutter-based dashboards with real-time charts and status indicators to monitor activity across **50+ IoT-enabled machines**.
- Implemented advanced drink customization workflows, allowing dynamic ingredient personalization through the UI.
- Developed **Syngenta**, an AI-powered document management and knowledge-sharing platform with multi-document support and cross-device responsiveness.

#### Additional Contributions:

- Continuously advancing expertise in Data Structures and Algorithms (DSA), as well as in Spring and Spring Boot frameworks, with hands-on experience integrating MySQL databases.
- Designed and implemented intuitive UI components for a school management system using the Thymeleaf template engine, ensuring clean, maintainable, and efficient frontend rendering.
- Designed and implemented end-to-end request flow for an AI chatbot, handling backend orchestration and frontend integration using Spring AI.

### Ocean Academy

*ReactJS Developer Intern*

**Pondicherry**

*Apr 2023 – Oct 2023*

**Key Skills:**

- Responsive UI Development
- Effective Team Collaboration
- Mentoring and Training Interns
- Development Environment Setup

**Projects and Achievements:**

- Developed a lightweight, mobile-responsive e-commerce web application using ReactJS, featuring seamless Razorpay payment integration.
- Completed multiple hands-on projects—including Lendo Directory Ads, Keprevos, Nexter, and Natour—to strengthen full-stack development proficiency.
- Collaborated with cross-functional teams to deliver responsive web applications optimized for smooth and intuitive user experiences across devices.
- Utilized Git and GitHub for effective version control, code management, and team collaboration in agile development environments.

**Education**

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**Sri Manakula Vinayagar Engineering College***B.Tech in Mechanical Engineering**2018 – 2022***CGPA:** 8.29 / 10**Alpha English Higher Secondary School***Higher Secondary Certificate**2017 – 2018***Percentage:** 81.6%**Alpha English Higher Secondary School***Secondary School Leaving Certificate**2015 – 2016***CGPA:** 87.4 / 100**Certifications**

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- Completed courses in HTML, CSS, JavaScript, ReactJS, ExpressJS, and Mongoose on Udemy.
- Certified Java Full Stack Developer – Ocean Academy.
- Spring Boot Development Certification – Udemy.