

PRAVEEN KUMAR P

Aspiring Software Engineer | Computer Science and Engineering Student

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Profile

Innovative CS Engineer skilled in software development, AI, and full-stack technologies. Passionate about solving complex tech challenges and delivering cutting-edge solutions. Committed to continuous learning and driving technological innovation.

Experience

Internship at Vaayusastra Aerospace (IITM Research Park) | Jul 2024 – Aug 2024

Gained hands-on experience in AI-driven web development and embedded systems during an internship, focusing on efficient solutions and real-world application.

Projects

Personal Management System Website

Developed a web-based data management system using HTML, CSS, Bootstrap, PHP, SQL, and MySQL, ensuring efficient user interaction and database management.

Sign Language Detection and Recognition

Designed a real-time hand gesture recognition system using a CNN model with cvzone, incorporating a dynamic dataset for continuous model training and improved accuracy.

AI Legal Assistant

AiLA is a bilingual AI chatbot that provides legal guidance in Tamil and English using Mistral LLM, translation, and voice output for accessibility. It is built using Python, Flask, HTML/CSS, Googletrans & gTTS.

Employee Management System

Developed a web application for employee data management using Spring Boot, Spring MVC, Thymeleaf, Spring Data JPA, and MySQL, enabling seamless CRUD operations.

Technical Skills

- Programming Languages:** C, Java, Python, C++, Kotlin, PHP, SQL, Bootstrap, HTML & CSS.
- Software Development:** Full Stack Web Development, Android App Development, Spring Boot Application Development.
- Technical Expertise:** Data Structure and Algorithms (DSA), Object-Oriented Programming (OOP), Clean & Maintainable code.
- Cloud & Tools:** AWS (S3, EC2), Microsoft Office (Excel, Word, PowerPoint).
- Soft Skills:** Logical Problem-Solving, Team Communication, Collaboration, Time Optimization.
- Continuous Learning:** Staying Updated with emerging software development trends.

Education

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|---|--------------|
| B.E CSE in Government College of Engineering – Dharmapuri , Tamil Nadu 80% Marks | 2021-Present |
| HSC (PCMB) in St. Mary's Higher Secondary School – Dindigul 90% Marks | 2019-2021 |
| Secondary Education in St. Mary's Higher Secondary School – Dindigul 85% Marks | 2018-2019 |

Certifications

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|---|---|
| Data Structure and Algorithms using JAVA certified by NPTEL scored 76%. | Spring Framework (Spring Boot JPA) accredited by Infosys. |
| Android App Development licensed by Internshala. | Artificial Intelligence endorsed by IBM. |
| Python Fundamentals certified by Great Learning. | Networking Essentials licensed by Cisco. |

Key Achievements

Team Lead – Hostel Management System Project (2022)

- Led a team in developing a Hostel Management System, successfully completing 100% of the front-end and implementing half of the backend functionalities.
- Managed task delegation, team collaboration, and progress tracking, ensuring smooth execution and efficient project development.

Participant – District Development Conference (Dharmapuri Collector Office, 2023)

- Engaged with enterprise owners to understand real-world business challenges and proposed engineering and technology driven solutions to address key issues.
- Gained valuable insights into policy-making, innovation, and technology integration for business development.

Languages

- Tamil** (Native)
- English** (Fluent)