

Hema Malini R

Full Stack Developer | AI & Web Applications Developer

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About Me

Pre Final year Information Technology student passionate about AI, Full Stack Development, and innovative projects. Skilled in MERN stack, Java, Spring Boot, Python, Flutter, MySQL, React, HTML/CSS/JS, DSA, and developing AI-powered applications. Enthusiastic about solving real-world problems with technology.

Projects

AI Agriculture App

- Monitors soil condition, crop health, and pest risks
- Provides AI-based advisory via mobile app
- Tech Stack: Flutter, Python, FastAPI, MySQL

Pet House (MERN Stack E-Commerce)

- Online pet shopping website with product catalog, cart, checkout, and admin panel
- Tech Stack: MongoDB, Express.js, React, Node.js

KCETBot (College Admission Chatbot)

- AI chatbot for admissions guidance and student queries
- Tech Stack: Python, Flask, OpenAI GPT API, PostgreSQL

Railway Ticket Booking System

- Web application for train ticket booking and management
- Tech Stack: Java, Spring Boot, MySQL, HTML/CSS/JS

Netflix Clone (Frontend)

- Frontend clone of Netflix UI with responsive design and movie catalog
- Tech Stack: HTML, CSS, JavaScript

Internship

Full Stack Java Developer – Phoenix Technology (June 16 – July 2, 2025)

- Developed web applications using Java and Spring Boot
- Integrated frontend and backend APIs
- Gained hands-on experience in database design, API integration, and project deployment

Skills

- Programming & Frameworks: Java, Python, Spring Boot, Flutter, React, Node.js
- Web & Database: HTML, CSS, JavaScript, MySQL, PostgreSQL, MongoDB
- AI & ML: FastAPI, OpenAI GPT integration, AI advisory systems
- Others: DSA, API integration, Git/GitHub, Agile development

Achievements

- 2nd Place – Photography Competition – KGISL, Coimbatore
- Young Scientist Award – Twice
- Participation in Symposium – Kongu College of Engineering and Technology

Education

- HSC – Kshatriya Girls Higher Secondary School – 86.6%
- SSLC – Kshatriya Girls Higher Secondary School – 82.6%

Languages

- Tamil, English