

# THARUNIKA K P

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Result-driven Java developer with strong problem-solving skills, seeking opportunities to build scalable and impactful software solutions.

## EDUCATION

**Bannari Amman Institute Of Technology**, B.Tech in AI & DS | Erode, India

**Saratha Higher Secondary School**, HSC | Erode , India

**Saratha Higher Secondary School**, SSLC | Erode , India

## SKILLS

Programming Java, Python, C

Web Technologies HTML, CSS, JavaScript, Tailwind CSS

Frameworks & UI React.js, Hero UI, Figma

Databases MongoDB, MySQL

Tools Git, GitHub, VS Code

Deployment Tools Vercel , Render

## INTERNSHIP

**Crayon'D Private Limited**, Internship

Mar 2025 - Apr 2025

- Developed interactive and responsive web pages using **React.js**, **Next.js**, **Tailwind CSS**, and **Hero UI** to create modern, user-friendly interfaces.
- Built reusable and modular React components to improve code maintainability and scalability.
- Designed responsive layouts and ensured cross-device compatibility using **Tailwind CSS** utilities and Hero UI components.
- Optimized frontend performance, including lazy loading, component splitting, and minimizing re-renders.

**IBM SkillsBuild**, Internship

Oct 2025 – Nov 2025

- Designed and developed a Recipe Finder web application using the Spoonacular REST API to dynamically fetch and display recipe data based on user queries.
- Implemented a responsive and structured user interface using HTML5 and CSS3, ensuring usability across different screen sizes and devices.
- Developed client-side functionality with JavaScript, including API integration, DOM manipulation, input validation, and real-time content updates.
- Handled asynchronous operations using Fetch API and JavaScript promises to efficiently manage API requests and responses.

## PROJECTS

**AI-Powered Shopping Assistance** - Bannari Amman Institute Of Technology

Jun 2025 - Sep 2025

- Built a shopping platform using **MongoDB** and **React** with features like wishlist, profile, and cart management.
- Designed and implemented **RESTful APIs** for product listings, user profiles, and cart flows.
- Integrated an **AI chatbot** for product discovery, outfit suggestions, and navigation support.
- Ensured secure data handling and optimized backend performance for scalability.

**Smart Agriculture Platform** – *Smart India Hackathon*

Aug 2025 - Sep 2025

- Developed a Smart Agriculture Platform using **React.js**, **Node.js**, and **Django REST APIs** with AI-powered crop disease detection, yield prediction models (**TensorFlow/PyTorch**), and integrated weather market prediction APIs for real-time farmer insights.
- Led frontend development with a **mobile-first**, accessible interface, dashboards, alerts, and chatbot UI using **React** and **Tailwind CSS**, and deployed on **Google Cloud** with **MongoDB** for scalable rural adoption.

**Recipe Finder** – *IBM Skills Build*

Oct 2025 - Nov 2025

- Developed a dynamic recipe discovery tool using **JavaScript** and the **Spoonacular API**, implementing **Fetch API** to process JSON data for real-time meal search and filtering.
- Engineered a responsive, mobile-first interface using **HTML5** and **CSS3** with advanced **DOM manipulation** to allow users to filter recipes by dietary needs and available ingredients.

## PAPER PRESENTATION

**AI-Based Healthcare System for Elderly Care** | Bannari Amman Institute Of Technology

- Presented an AI-based healthcare prototype assisting elderly care with multilingual voice reminders, missed-dose alerts, emergency ambulance access, and a responsive user interface integrated with backend APIs.

**Online Medicine Donation Platform** | Bannari Amman Institute Of Technology

- Presented a paper on an Online Medicine Donation Platform to reduce medicine wastage and provide accessible medication, featuring a secure, user-friendly system for tracking and distributing donated medicines.