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	CGPA: 7.84 / 10.0	Aug 2027
Saratha Higher Secondary School, *HSC* | Erode , India	Percentage: 89.83	Mar 2023
Saratha Higher Secondary School, *SSLC* | Erode , India		Mar 2021

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 **Vanilla 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.