SAMSKRITI L

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• LinkedIn   • Github   • Leetcode

ABOUT

I am passionate about UI design and creative problem-solving, with a strong commitment to continuous learning and excellence in my work. I enjoy taking initiative, exploring new ideas, and applying my software development skills to build user-friendly, impactful solutions. I stay motivated, work efficiently, and always strive to improve through every project I take on.

EDUCATION

Bannari Amman Institute Of Technology   *2023 - present*
Pursuing B.Tech (AI & DS) Artifical Intelligence And Data Science with 7.36 CGPA

Saratha Higher Secondary School   *2022-2023*
12th percentage 71.3

Saratha Higher Secondary School   *2019-2020*
10th Pass

SKILLS

Programming Languages : C, Python, Java HTML, CSS,JavaScript,ReactJS

Technical Skills : MySQL Figma (UI/UX),Blender,Video Editing, Animation

PROJECT

Ai Powered Shopping Assistance
Developed an AI-Powered Shopping Assistance Platform using React, FastAPI, and PostgreSQL for browsing dress collections across all genders and categories. Implemented wishlist, profile, and cart management, and integrated an AI chatbot to assist users with product discovery, outfit suggestions, and navigation.
Led the frontend development, focusing on UI/UX design and building responsive, interactive pages using React and Tailwind CSS. Worked on product listing, cart, and profile flows, ensuring smooth navigation and a visually engaging user experience. Delivered a unique, AI-driven solution combining personalized recommendations and real-time assistance for a modern shopping experience.

Smart Agriculture Platform
Developed a Smart Agriculture Platform using React.js, Node.js, and Django REST APIs to support small and marginal farmers with real-time insights. Implemented AI-powered crop disease detection and yield prediction models using TensorFlow/PyTorch, and integrated weather and market prediction APIs to improve decision-making.
Led the frontend development, creating a mobile-first, accessible interface with voice and icon-based navigation for low-literacy farmers. Built dashboards, alerts, and chatbot UI using React and Tailwind CSS, ensuring intuitive interaction and smooth user experience. Deployed on Google Cloud with MongoDB for scalable and cost-effective rural adoption.

PAPER PRESENTATION

• **Smart RFID Door Lock System**
Smart RFID Door Lock System: Developed a concept for a secure, contactless door access system using RFID technology. The system allows authorized entry via RFID cards or tags, logs entry records, and can integrate with mobile alerts for enhanced security.

• **AI Based Health Care**
Developed a full AI-Based Healthcare System prototype to assist elderly care, featuring a multilingual voice assistant for medicine reminders, alerts for missed doses, emergency ambulance access, and SMS fallback.
Role: Led frontend development, designing a responsive, accessible UI with React and Tailwind CSS, integrating backend APIs and voice-interaction features for a polished, user-friendly prototype.

MEMBERSHIPS & ACADEMIC ACTIVITIES

• Member, International Association of Engineers (IAENG)
• Completed credit course: Compound Based UI and UX Development ,2024

CERTIFICATES

• SAWIT.AI(Learnathon) : Fundamentals of Generative AI
• Simplilearn : Introduction to Responsive AI
• HackerRank : Problem Solving (Basic),Python (basic)
• MinnaLearn : Introduction to AI

LANGUAGES

• Tamil   • English