Prarthan Agarwal

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WORK EXPERIENCE

JustAI.in

Web Developer   April 2024 - June 2024

- **Website Redesign:** Revamped JustAI.in's website to improve usability, aesthetics, and alignment with its mission of publishing blogs on AI laws.
- **Custom Chatbot Development:** Built a custom-trained chatbot for real-time answers based on website content, enhancing user engagement and accessibility.
- Collaborated closely with the clients to tailor the design and functionality to meet the company's unique requirements.

FIFO UK

Product R&D Head   Feb 2022 - March 2022

- Directed the design and development of the digital interface and packaging for the MymeFresh air freshener product line, aligning with the brand's eco-centric ethos.
- Crafted visually compelling product documentation and guides, enhancing accessibility and market engagement.
- Led the technical architecture for web-based product platforms, focusing on intuitive user experiences.

PERSONAL PROJECTS

CryBaby ↗

A mobile app that lets you track & enjoy your emotional moments.

- Built a React Native/Expo mobile app for tracking and analyzing emotional crying sessions.
- Implemented secure authentication flow using Google/Apple Sign-In with Supabase and PostgreSQL.
- Designed interactive data visualization dashboard with Victory Native for emotional pattern analysis.
- Developed gamified achievement system with 58 unique unlockables, attracting **103 users** within first week of launch.
- Built a polished, intuitive UI with, haptic feedback, and adaptive themes using component-based architecture.

F.R.I.D.A.Y. ↗

An open-source, next-generation AI-driven virtual assistant inspired by Tony Stark's Jarvis.

- Engineered a voice interface achieving 5x faster response times (15-20s to 2.5-5s) using StyleTTS2 and faster-whisper.
- Built a sophisticated memory system with context-aware tracking and tag-based organization across 4 key categories.
- Implemented modular architecture with local LLM processing via llama.cpp ensuring privacy and offline capabilities.
- Developing a cutting-edge personal AI assistant to redefine user experience and accessibility in open-source technology.

SKILLS

Languages: Python, Java, SQL, PostgreSQL, JavaScript, TypeScript, Swift.
Frameworks/Libraries: React Native, Next.js, React, Tailwind CSS, Git, GitHub, Flask, FastAPI
Design Tools: Framer, Adobe Photoshop | Illustrator | Premiere Pro

EDUCATION

SRM University

Bachelor of Technology (B. Tech)   2021 - 2025