Aravindhan B

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SUMMARY

- A Skilled Full Stack Developer with hands-on experience in developing scalable and user-friendly web and mobile applications, focusing on clean architecture and efficient development.
- Passionate about integrating AI and Large Language Models (LLMs) into modern web solutions.Skilled in team building and management with demonstrated success.

EDUCATION

Chettinad College Of Engineering And Technology   **2020 - 2024**
BE - Computer Science Engineering   **CGPA – 8.3**

EXPERIENCE

Perspectiv Labs | Software Developer   **July 2024 – Present**
- Worked on the development of both browser-based and mobile applications using React and TypeScript, contributing to frontend and backend components. Improved application performance by optimizing REST API integrations, enhancing responsiveness, and streamlining user experience.
- Leveraged low-code and no-code tools to prototype features, accelerating the development cycle. Collaborated with cross-functional teams to ensure timely delivery of milestones. Resolved application issues to improve user experience.

Day One | Full Stack Developer   **Freelancer**
- Developed a Conversational AI Avatar Bot for restaurant ordering via QR code.Built a voice-driven, browser-based assistant using NLP and speech synthesis.
- Focused on developing a human-like chatbot interface using advanced NLP techniques and real-time speech synthesis.

SKILLS

Programming languages: JavaScript, Python , Flutter , TypeScript
Database: PostgreSQL , MongoDB , MySQL
Technologies & Frameworks: React Native , AngularJS, Vue.js, Node.js, Tailwind CSS, Git, REST APIs, Jest , Gradio
AI Tools & Libraries: OpenAI, Hugging Face Transformers, LangChain, spaCy, NumPy, Pandas,Scikit-Learn, PyTorch

PROJECTS

WaterMeter App | React Native , Expo , Docker , Typescript , AWS
- Developed a cross-platform mobile app using **React Native & EXPO** to enable users to monitor real-time water consumption.
- Designed an intuitive user interface for tracking usage patterns, viewing detailed analytics, and receiving leak detection alerts.Built a secure and scalable backend with Node.js and PostgreSQL, enabling real-time data synchronization, trend analysis, and push notifications across devices.

Voice Enabled Chat with PDFs | Python , LangChain , Open AI
- Developed **LangChain**-based chatbot answering user queries through audio input using **Whisper** (OpenAI)
- Implemented **RAG** pipeline, **chunked** PDFs, generated **embeddings** & stored them in **FAISS** database
- Employed **LLaMA Scout** LLM & **Gemini TTS** for audio output; deployed using **Hugging Face Spaces**

Blupilot Interview Copilot | React.js, Express.js, MongoDB, REST API , Open AI
- Developed a Web-app using React Native and Node js to help users prepare for job interviews through interactive mock sessions and personalized feedback.
- Integrated **OpenAI API** to simulate realistic, role-specific interview conversations across various industries, enabling dynamic and adaptive practice environment

CERTIFICATIONS

- **Big Data Analytics** – Completed via Infosys Springboard.
- **Python for Data Science and AI Development** – Certified by IBM.