Vijayaraj Anbalagan

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Executive Summary

Full Stack Developer with skilled in building **scalable applications**, **AI-driven workflows**, and **intuitive UI/UX**. Passionate about **GenAI** and **Agentic AI**, leveraging modern technologies to enhance **backend efficiency** and **solve real-world problems**.

Technical Skills

Programming: JavaScript, TypeScript, Python , C
Frontend: React, Next.js, HTML, CSS, Tailwind CSS
Backend: Node.js, Flask, MongoDB, MySQL
AI/ML: RAG, GenAI, Agentic Workflow, YOLO
Tools: Git, GitHub, VS Code, Postman

Professional Experience

- **Full Stack Intern** — **Chennai, India**
  Interain AI, Interain Intelligence Pvt Ltd — Feb 2024 - Present
  - Transitioned from **Web Team** to **Full-Stack Developer**, focusing on **UIX** and Product development.
  - Converted **ideas** into **designs** and **working prototypes**, developing both **frontend** and **backend**.
  - Collaborated with the **Core Team** on **AI integration**, **architecture**, and **strategies**.

- **Software Developer Intern** — **Chennai, India**
  TuTr Hyperloop, IIT Madras — Feb 2024 - May 2024
  - Developed a **remote control system** for the **Hyperloop pod** using **TCP** and **CAN protocols**.
  - Enabled **real-time communication** between **pod** and **controller**, collaborating with **electrical team**.
  - Built an **intuitive GUI** for pod control and integrated **data visualization** for performance insights.

Key Projects

- **Clarity - AI Chatbot for Workflow Automation**
  Enterprise AI Assistant — View Code — Live Project
  - Developed an **AI-powered chatbot** utilizing **RAG system** for **precise enterprise query handling**.
  - Designed an **agentic workflow** enabling *dynamic context transitions* and *adaptive decision-making*.

- **Travela - AI-Powered Travel Companion**
  Intelligent Travel Planning Platform — View Code — Live Project
  - Built an **AI-driven travel assistant** offering *personalized itineraries, budget , and flight integration*.
  - Designed a **templated AI system** with a *seamless step-by-step UI* for **tailor-made travel plans**.

- **InnovateHub - Hackathon Management Platform**
  One Stop Solution for Hackathons — View Code — Live Project
  - Developed a **hackathon platform** managing **500+ registrations** with *role-based access , team logins*.
  - Built an **dashboard** to *track statements*, *manage teams*, and implement a **QR-based attendance**.

Education

Bachelor of Engineering in Computer Science Engineering — 2022 – 2026
KCG College of Technology, Chennai
CGPA: **8.39**

Achievements

- Finalist Smart India Hackathon 2024 — Nov 2024 [**Team Lead**]
  - Led a team to the finals at **NIT Srinagar**, competing among **200+ national teams**

- Design Thinking Challenge 24 — Aug 2024 [**CTL**]
  - Won **First Prize** for developing a user-centric product using **Design Thinking Principles**.