Ravichandran Vijay Ragav

vijayragav71@gmail.com | Math-Racer | Vijay Ragav R

Summary

Software Developer with strong programming and problem-solving skills, passionate about building technologies with real-world impact. Experienced in web and app development, AI-based solutions, technical leadership, and entrepreneurship.

Work Experience

iTokyo Language Academy Private Limited Jul 2026 – Present

Trainee Engineer

- Receiving **professional Japanese and technical training** with guidance from **native Japanese instructors**, gaining exposure to **Japanese business culture and professional practices**.
- Participating in **role-playing, discussions, presentations, and debates**, while collaborating with native Japanese professionals to develop practical communication skills.

VR INNOVATES Aug 2025 – May 2026

Software Developer & Founder

- Founded and currently lead a **startup** with a **five-member team**, managing the entire journey from **ideation** to **MVP development** and **market validation**.
- Oversaw the creation and launch of a **multi-platform product** including a **mobile app** built with **Flutter**, a **dynamic website** using **Flask**, and a **static website** hosted on **GitHub Pages**.
- Represented the startup in several **pitching events**, including the **EDII-TN Innovation Voucher Program**, gaining exposure to **investors** and **startup mentors**.
- Registered the project under copyright number **SSW-30551/2025-CO**.

ZF Centre of Excellence, RIT Nov 2024 – Jul 2025

AI Intern & Team Lead

- Led a **team of seven interns** developing **AI solutions** and managing project milestones.
- **Contest Management System:** Developed a coding contest platform with **LLM-based feedback**.
- **AutoTrack:** Developed an **image-based order tracking system** using **computer vision**.

Education

Rajalakshmi Institute of Technology, Chennai June 2022 – May 2026

B.E. in Computer Science and Engineering ***CGPA: 7.85/10***

Relevant Coursework: Algorithms, Data Structures, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Networks, Artificial Intelligence and Machine Learning.

Projects

Lebbeck Dictionary | Python, LLMs, Flask, MongoDB **Demo Link**

Designed an innovative resource to simplify **English pronunciation** using Tamil orthography. Created a large-scale LLM-generated dataset of approximately **200,000 words**. Utilized open-source models such as **Gemma 2B-Instruct (Q5_K_M)** and APIs including **Gemini 2.0 Pro** and **OpenAI GPT-4**.

Contest Management System | React, Node.js, PostgreSQL, Llama 3.2 **Demo Link**

Built a full-stack platform to host and manage coding contests for college hackathons. Organized a 2-hour coding contest with **13 teams**, generating **52 submissions**. Integrated a fine-tuned **Llama 3.2**-based model for automated feedback on code submissions. Received software copyright (**ROC No: SW-2025020438**).

AutoTrack | Flask, CNN, MongoDB

Developed a customer order tracking solution with image-based recognition. Trained a **CNN model** for visual order identification and implemented a Flask-based web interface. Integrated **MongoDB** for reliable data storage and retrieval.

Other Projects: Study Craft | Portfolio | Weather App | Minna No Nihongo Vocabulary Anki Deck | Royal Editor

Skills

- **Programming Languages:** Python, C, C++, Golang, Kotlin
- **Technical Skills:** Web Development, Artificial Intelligence, Generative AI, Excel, AutoHotkey, Canva, Figma
- **Tools:** Docker, MySQL, MongoDB
- **Languages:** English (Fluent), Japanese (JLPT N3)
- **Soft Skills:** Problem Solving, Leadership, Persistence, Note-taking