

Jachin Samuel J

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[Linkedin](#) | [Github](#) | [Portfolio](#)

Professional Summary

First-year Computer Science & Engineering student with experience building and deploying full-stack web applications using React, Flask, and PostgreSQL. Interested in software engineering, product development, API integration, and scalable web systems.

Education

B.Tech – Computer Science & Engineering 2025 – 2029 (Expected)
Karunya Institute of Science and Technology, Coimbatore **CGPA: 8.84**

Higher Secondary Education 2023-2025
SLB Government Higher Secondary School, Nagercoil **Percentile:96.6**

Technical Skills

- **Languages:** Python, C, C++, JavaScript, HTML5, CSS3
- **Frontend:** React.js, Tailwind CSS, Recharts
- **Backend:** Flask, REST APIs, JWT Authentication, Ollama, NVIDIA NIM APIs, LLM Integration
- **Databases:** PostgreSQL, SQLite
- **Tools:** Git, GitHub, Postman, VS Code, CLI / TUI Development
- **Deployment:** Vercel, Render, Cloudinary, PyPi
- **Integrations:** Razorpay Payment Gateway, Twilio WhatsApp API

Projects

FoodyBuddy – Full-Stack Canteen Ordering App

React · Flask · PostgreSQL · Razorpay · Twilio WhatsApp API

GitHub: [FoodyBuddy](#) Live Demo: [FoodyBuddy](#)

- Built and deployed a canteen ordering platform with online payments, live order tracking, and admin management features.
- Integrated Razorpay for secure payments and Twilio for automated WhatsApp notifications.
- Developed admin tools including receipt download, reorder functionality, and sound alerts.
- Deployed React frontend on Vercel and Flask backend with PostgreSQL on Render.

Ace – AI Git Copilot

Python · Git · Ollama · NVIDIA NIM · OpenAI · Anthropic Claude · PyPI

GitHub: [Ace](#) Live Package: [Ace](#)

- Built and published an intelligent CLI and terminal user interface (TUI) tool that translates natural language intents into Git commands.
- Integrated local (Ollama) and cloud APIs (NVIDIA NIM, OpenAI, Anthropic Claude, and custom OpenAI-compatible endpoints) to automate intelligent code reviews, draft pull requests, and generate structured commit messages.
- Packaged and deployed the tool as an open-source Python library on PyPI, enabling global installation for developers.

VoiceCalc – Voice-Controlled Calculator

Flask · Web Speech API · JavaScript

GitHub: [VoiceCalc](#) Live Demo: [VoicCalc](#)

- Developed a browser-based voice-controlled calculator using speech recognition and Flask backend processing.
- Implemented real-time speech-to-calculation workflow integrating browser APIs with Python.

Leadership & Responsibilities

- **Team Lead – Academic Web Projects:** Coordinated project teams for frontend, backend, and database development using GitHub collaboration workflows.
- **Documentation & Project Management:** Maintained README files, API references, and database schema documentation for smoother onboarding.

Learning & Development

- Self-directed study in REST API design, PostgreSQL database modeling, and cloud deployment.
- Continuously improving full-stack development and software engineering skills through personal projects.

Certifications

- Google Cloud Certified – Cloud Digital Leader, Google Cloud (Apr 2026 – Apr 2029)

Additional Information

- Languages: English (Professional), Tamil (Native)
- Interests: Open-source development, product design, software architecture
- Entrepreneurial interest in campus-focused software and AI-based tools