

Sivaganesh C

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

TECHNICAL SKILLS

Languages: Python (Advanced), JavaScript, TypeScript, C++, SQL/NoSQL.

Frameworks & Stack: Next.js, React, Node.js, Express, Flask, MongoDB, Firebase, Tailwind CSS.

AI & Tools: Docker, Kubernetes, Git, TensorFlow.js, Gemini, WebSockets, Figma.

PERSONAL STATEMENT

Software Product Engineer specializing in the **MERN** stack and **AI** integration. Active Open Source contributor dedicated to building scalable, real-time web applications.

PROJECTS

SketchCue | [Github Repo Link](#) | *Next.js, TypeScript, TensorFlow.js, Gemini API* **Nov 2025 - Present**

- Built a real-time air-drawing application integrating TensorFlow.js for hand tracking and Google Gemini AI for sketch analysis.
- Optimized tracking latency to ensure smooth **60 FPS performance** by implementing 6-point gesture validation.
- Enabled touchless digital art creation, providing an accessible, gesture-based interface for users.

Hive | [Github Repo Link](#) | *MERN Stack, TypeScript, WebSockets, JWT* **Mar 2024 – May 2024**

- Developed a robust real-time chat application with room-based architecture supporting multiple user sessions.
- Engineered secure authentication flows using JWT and bcrypt; facilitated low-latency data delivery via Socket.io.
- Enabled seamless remote team collaboration through instant private messaging and group communication.

EDUCATION ENROLLMENT

Kalvium's UG program in CS (Software Product Engineering) **2023-2027**

Campus: Coimbatore Direct | **Bachelor's enrollment:** BCA, University of Mysore

OPEN SOURCE EXPERIENCE

Mathesar-Open Source Database Tool | *Open Source Contributor* | Remote

- Contributed to the database interface, focusing on frontend optimization.
- Collaborated with core maintainers to resolve architectural issues and improve UI/UX.

context0 | *Core Maintainer & Founding Member*

- Co-founded an intelligent memory layer for AI; led architectural research and defined visual identity.

ACHIEVEMENTS

- Blockchain Mentor:** Mentored 30+ students in a Blockchain Workshop at SNS University.
- Workshop Organizer:** Organized peer workshops on Cybersecurity, Linux, and Frontend.

