

SIRIGIRI SAI ANSH RAJ

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EDUCATION

Swami Vivekananda Institute of Technology
B. Tech, Computer Science

Sept 2022 - May 2026

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python
Web Development: React.js, Next.js, Node.js, Express, REST APIs, Tailwind CSS, Bootstrap
Databases: PostgreSQL, MySQL, MongoDB, Redis
Tools: GitHub, GitLab, Appwrite, Postman
Core Concepts: Data Structures & Algorithms, Database Management System, OOPS

PROFESSIONAL EXPERIENCE

- MURB** Nov 2025 – Present
Tech Developer Intern Remote
- Collaborated in a **5-member team** to build frontend features supporting MURB's expansion into the **e-commerce/merchandise domain**.
 - Replicated **6+ UI sections** of MURB's official website, focusing on visual consistency and reusable components.
 - Integrated **10+ form fields** using **React Hook Form** and **Zod** for type-safe validation.
 - Delivered responsive UI components compatible across **desktop and mobile devices** using React, TypeScript, Tailwind CSS, and Lucide icons.
- Motion Cut** Oct 2024 – Nov 2024
Frontend Web Development Intern Remote
- Developed and optimized **3+ responsive web interfaces** with modern frontend frameworks, achieving **95+ Lighthouse performance scores**.
 - Enhanced UI responsiveness across devices, reducing layout shift by **40%** and improving load time by **30%**.
 - Implemented efficient state management and performance tuning using **React.js** and **JavaScript**.
 - Collaborated in an Agile environment with a team of 3 developers, consistently delivering features ahead of deadlines.

PROJECTS

- Velox — Secure Real-Time Chat Application** | Next.js, TypeScript, Elysia, Redis (Upstash), Tailwind CSS 🌀 Feb 2026
- Developed a **secure real-time chat platform** enabling private communication using unique room IDs, cryptographic access keys, and ephemeral room sessions.
 - Built and deployed **10+ REST API endpoints** using **Elysia** and **TypeScript**, supporting realtime messaging, room validation, and lifecycle management.
 - Implemented **client-side end-to-end encryption (AES-GCM, PBKDF2)** and **Redis pub/sub**, ensuring **encrypted payload storage** and **sub-second message delivery**.
 - Integrated **Redis TTL and secure access control**, enabling automatic room expiration and preventing unauthorized access, deployed on **Vercel with cloud-hosted Redis**.
- Buyza — Ecommerce Web Application (Ongoing)** | Next.js, TypeScript, Tailwind CSS 🌀 Jan 2026 – Present
- Built the client-side UI for **15+ reusable components** of an ecommerce application using Next.js, React, and TypeScript.
 - Integrated form validation for **multiple user inputs** using **React Hook Form** with **Zod** resolver.
 - Maintained global state for cart and UI interactions using **Zustand**.
 - Currently developing an **admin panel** with **shadcn/ui** to support product and order management.

ACHIEVEMENTS

Swecha Contribution - Participated in open-source and community-driven development initiatives.
Frontend Web Development Internship - Completed a one-month internship at Motion Cut, building responsive applications.
The Web Developer Bootcamp 2025 Certification - Successfully completed from Udemy (Sep 2025).
Java Fundamentals Certification - Earned Certificate of Excellence from Scaler (Aug 2025).