SAI ANSH RAJ SIRIGIRI

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EDUCATION

Swami Vivekananda Institute of Technology   **Sept 2022 - May 2026**
B. Tech, Computer Science

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, SQL, C/C++, Bash
Web Development: React.js, Next.js, Express, Node.js, REST APIs, Tailwind CSS, Bootstrap
Databases: PostgreSQL, MySQL, MongoDB, Redis
Tools: GitLab, IntelliJ, Postman,GitHub, Debugging Tools
Core Concepts: Data Structures & Algorithms, Database Management, System Design, OOPS
AI/ML: Machine Learning

PROFESSIONAL EXPERIENCE

Swecha Telangana %   **May 2024 – June 2024**
Software Development Intern   *Remote*
- Engineered a **local language-to-English translation model** using **Python**, **NumPy**, and **AI/ML algorithms**, achieving **90% accuracy** on a dataset of 5,000+ samples.
- Preprocessed and labeled real-time language datasets, improving training efficiency by **25%**.
- Collaborated with an open-source community of 15+ contributors to enhance regional language accessibility tools.

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 5 developers, consistently delivering features ahead of deadlines.

PROJECTS

IndiCamp — Fullstack Web Application | *Express, Node.js, MongoDB, JavaScript* %   **Sep 2025**
- Developed and deployed **IndiCamp**, a campground booking platform using **Node.js**, **Express**, and **EJS**, serving **100+ users**.
- Implemented secure **authentication** and session handling via **Passport.js**, improving reliability and user security.
- Designed **MongoDB/Mongoose** models and integrated **Cloudinary** & **Maptiler APIs** for dynamic image and map rendering.
- Enhanced performance and protection with **Helmet** middleware and deployed on **Render** for scalable hosting.

MovieHuby — React Application | *React, JavaScript, CSS, Appwrite* %   **Oct 2025**
- Built a responsive **React** app using the **TMDB API** to display trending and searched movies dynamically.
- Optimized API performance with **debounced search**, reducing redundant API calls by **50%**.
- Integrated **Appwrite** for backend analytics and managed component state using React hooks (**useState**, **useEffect**).

- Deployed using **Vite** and **Vercel**, ensuring **100% mobile responsiveness** and fast load times.

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).
Gold Medal Winner - Led school Kabaddi team to victory in inter-school competition (45–50 kg weight group).