

# 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, C/C++  
**Web Development:** React.js, Next.js, Express, Node.js, REST APIs, Tailwind CSS, Bootstrap  
**Databases:** PostgreSQL, MySQL, MongoDB, Redis  
**Tools:** GitLab, IntelliJ, Appwrite, 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).