

Akash Sakthimurugan

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🎓 EDUCATION

Sri Sivasubramaniya Nadar College of Engineering

B.Tech in Information Technology (CGPA: 7.81/10)

Chennai, TN

Sept. 2022 – Expected. 2026

Bhashyam Junior College

HSC (Percentage: 97.3%)

Rajahmundry, AP

Jun. 2020 – May. 2022

🔧 EXPERIENCE

KaReFo

Software Developer Intern

Oct. 2024 – Present

Hybrid

- Developing **18 games** with a **computational approach** for interactive tamil language learning.
- Implementing **optimized animations, mascots, and dynamic backgrounds** for smooth gameplay.
- Contributing to an **educational initiative** set to be introduced in schools across Tamil Nadu, promoting language learning through technology.

Digenie

Web Developer Intern

Apr. 2024 – Jun. 2024

Remote

- Built and maintained **high-performance, scalable web applications** using the **Next.js** framework.
- Contributed to **3 client projects** (Sri Hospitals, Digenie, Spice N Oil) deployed on **Hostinger and Vercel**.
- Created **detailed style guides** to ensure **design consistency and maintainability** across client websites.

📁 PROJECTS

MoodSync | *React.js, TensorFlow.js, Spotify API, MongoDB* [🔗](#) Code

Nov 2024 – Dec 2024

- Built an **emotion-based player** using CNN for emotion detection and **Spotify API** for **music recommendations**.
- Utilized **TensorFlow.js** and **Face.js** for real-time facial recognition of age and emotions.
- Designed a minimal UI with **language selection** and **camera-based emotion detection**.

Sell It Dude! | *Next.js, React.js, MongoDB, Express.js* [🔗](#) Demo — [🔗](#) Code

Aug 2024 – Sep 2024

- Developed a **marketplace platform** enabling seamless trading among **college students**.
- Implemented **secure authentication** and **dynamic product listings** to enhance user engagement.
- Encouraged **sustainability** with eco-friendly practices for **goods exchange** within the college community.

EduGauge | *Next.js, React.js, Express.js, Firebase, Chart.js* [🔗](#) Demo — [🔗](#) Code

Apr 2024 – Jun 2024

- Optimized **academic tracking** with pass/fail analysis, GPA/CGPA calculations, and rankings.
- Integrated Excel data through Firebase for **advanced visualization** and actionable insights.
- Developed **interactive dashboards** and **reports** to support **data-driven decision-making** for educators.

📖 COURSEWORK

Data Structures & Algorithms, Object Oriented Programming, Design Patterns, Networks, Database Management Systems, Operating Systems

🛠️ TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, GoLang

Frameworks: Next.js, TailwindCSS, Express.js, FastAPI

Libraries: React.js, Zustand

Databases: SQL(Postgres), MongoDB, Firebase

Developer Tools: GitHub, Docker, Postman, VS Code

🏆 LEADERSHIP & ACHIEVEMENTS

- Full Stack Dev Deputy Team Lead - SSN Coding Club:** Appointed to the SSN Coding Club to collaborate with the Team Lead in managing the FS-SWE vertical and overseeing core club members.
- Mentored 12 Interns as TL - DNYX:** Led frontend development at DNYX, managed client project tasks, and prepared interns for future client projects.
- Contributed to 8+ Client Projects:** Collaborated with UI and backend teams to build and maintain web applications, delivering high-quality solutions for clients.