

# Sanjai M

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Turning real-world problems into scalable full-stack and mobile applications.

## Profile

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B.E. Computer Science student at SSN College of Engineering with a strong focus on building scalable full-stack and mobile applications. Experienced in developing real-world solutions using React, Flutter, and backend systems with AI integration. Seeking internships to apply problem-solving skills in production-level systems.

## Technical Skills

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**Languages:** C, Python, Java, JavaScript, Typescript, HTML, CSS, Dart, SQL

**Frameworks:** Bootstrap, Tailwind CSS, React.js, Next.js, Node.js, Express.js, Flutter

**Databases & Tools:** PostgreSQL, Supabase, Firebase, Oracle, MySQL, MongoDB, Git, GitHub

## Projects

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### FraudShield AI-Powered Scam Detection Platform



Tech Stack: Next.js | FastAPI | Node.js | Supabase

- Built a full-stack AI system to detect fraud in SMS, WhatsApp messages, emails, URLs, images, and voice inputs.
- Integrated NLP (MuRIL), OCR (Tesseract), and URL intelligence (WHOIS, VirusTotal, PhishTank) for multi-modal analysis.
- Designed explainable AI outputs with risk scoring, highlighted threats, and actionable user recommendations.
- Engineered scalable architecture with response time under 3 seconds.

### VORA Voice-Driven 3D AI Assistant



Tech Stack: Next.js | TypeScript | Three.js | Whisper | Elevenlabs

- Built a real-time browser-based 3D AI assistant integrating STT, LLM reasoning, and TTS with a fully interactive, expressive avatar.
- Engineered a custom lip-sync system using phoneme-to-viseme mapping across 15+ ARKit morph targets with smooth blending and text-driven timing for precise speech-animation alignment.
- Optimized real-time performance with efficient state management, procedural idle animations, and resilient API handling.

### LeetCode & Codeforces GitHub Sync Extension



Tech Stack: JavaScript | Browser APIs | GitHub API

- Developed a browser extension to automate syncing of accepted solutions from LeetCode and Codeforces to GitHub.
- Implemented GitHub API integration with structured problem-wise repository organization.
- Designed multi-approach versioning, auto-sync controls, and manual override features.

## Accomplishments

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- **Student Wellness Ambassador** for SSN Campus, promoting mental well-being and student engagement initiatives.
- Core Member of **CSI (Computer Society of India)**, actively contributing to technical events, workshops, and student-led programs.

## Education

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### Bachelor of Engineering in Computer Science

SSN College of Engineering

CGPA: 8.1 / 10

Chennai

2024 – Present

### Sri Gayathri Matriculation Higher Secondary School

Class 12: 95.33% | Class 10: 89.2%

Salem

2022 – 2024