



# MIKHIL SAIN

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B.Tech, Computer Science and Engineering

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## Education

<b>SRM IST-Ramapuram</b>	2027
B.Tech · Computer Science and Engineering	CGPA - 9.27/10
<b>SRI CHAITANYA TECHNO SCH IYAPPANTHANGAL CHENNAI (55780)</b>	2023
Class XII - CBSE · MPC · Chennai	Percentage - 70.06%
<b>SRI CHAITANYA TECHNO SCH IYAPPANTHANGAL CHENNAI (55780)</b>	2021
Class X - CBSE · Chennai	Percentage - 80%

## Experience

<b>MIT Square</b>   <a href="#">Link</a>	Sep 2024 - Dec 2024
Research & Development Intern · R&D · Part-time	Remote
Conducted in-depth research on the ECOGRID platform, a blockchain-based system for trading renewable energy, identifying key areas for innovation. Worked on patents and copyrights for research findings. Contributed to ideas for innovative energy solutions. Collaborated with the team to document findings and contribute ideas for future innovative solutions in energy trading platforms.	
<b>CodeKrafters</b>	Dec 2024 - Present
Content Creator · Content Creation · Part-time	Remote
Created technical blogs and content on programming, web development, and emerging technologies. Contributed to documentation, research articles, and tutorials to help peers understand complex concepts. Collaborated with team members to enhance the club's knowledge base and improve content quality. Engaged in discussions and brainstorming sessions to promote technical awareness and learning.	
<b>BIGROCK EXCHANGE</b>	Jan 2025 - May 2025
Human Resources Intern · HR · Part-time	Remote
Assisted in developing game logic and supported the design of engaging gameplay. Assisted in recruiting and onboarding interns for the startup. Monitored and followed up with interns, ensuring smooth project execution and engagement. Contributed to investor outreach and identified potential investors for early-stage funding.	

## Projects

<b>Secure Student Database System</b>   <a href="#">Link</a>	Jan 2024 - Mar 2024
· 1.C++ 2. Data Structures 3. OOPs 4. Authentication	Database Management Systems
Developed a C++ based system with secure login for managing student records (add, search, modify, delete) using OOP principles.	
<b>E-Commerce-Website</b>   <a href="#">Link</a>	Aug 2024 - Nov 2024
· 1. HTML 2. CSS 3. JS	Web Development
Built a responsive e-commerce website using HTML, CSS, and JavaScript. Implemented interactive features like product showcase, dynamic navbar, and smooth scrolling for better UX.	
<b>Nokia Optiflow</b>   <a href="#">Link</a>	Jul 2025 - Sep 2025
· React, Tailwind CSS, Python, JavaScript	Machine Learning
Developed an AI-driven adaptive scheduling system for the Nokia Hackathon that leverages constraint optimization and predictive analytics to optimize resource allocation, resulting in a 15-20% increase in machine utilization and a 10% reduction in workforce idle time.	
<b>S.H.A.D.O.W</b>	Jan 2026 - Feb 2026
· Python, React JS, OpenCV, PyTorch	AI / ML
Built a real-time, multi-modal AI system to detect deepfake-based cyber fraud by analyzing visual, audio, temporal, and physiological signals. The platform uses layered AI verification and signal processing techniques to assess authenticity and generate risk-based alerts, ensuring secure and trustworthy digital interactions.	

## Certifications

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**NPTEL** | [Link](#)

Mar 2025

NPTEL · NPTEL25CS18S243304639

Completed NPTEL certification in Database Management Systems, gaining knowledge of relational models, SQL, and normalization. Developed strong understanding of database concepts essential for efficient data storage, retrieval, and management.

**Electronic Arts** | [Link](#)

Jun 2025

Electronic Arts · Bh67p5az7DS8NHo6R

Completed Electronic Arts Software Engineering Job Simulation on Forage, working on feature proposals, game object classes, inventory improvements, and live bug fixes.

## Publications

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**ECOGRID: A Platform For Trading Renewable Energy** | [Link](#)

Oct 2025

PROTECT MY WORK

A conceptual platform designed to facilitate transparent, peer-to-peer renewable energy trading using blockchain technology, promoting sustainability and efficient energy distribution.

Copyright ID: 18784101025S039 (Protect My Work, 2025)

## Competitions

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**Yuva-AI-Thon** | [Link](#)

Sep 2025

1st · ETHIndia

Participated in the YUVA-AI-THON 2025 at VIT Chennai, securing 1st place in the Climate Change domain. Collaborated with a team to develop EcoWattAI, an AI-powered energy optimization platform that promotes sustainable energy usage through real-time analytics and gamification. Utilized Python, FastAPI, ReactJS, and data-driven AI models to help households and businesses reduce energy consumption and carbon emissions.

**CREONIX'25** | [Link](#)

Sep 2025

2nd · Nokia

Participated in CREONIX'25 National Level Hackathon at Easwari Engineering College, securing 2nd place in the Production Optimization domain. Collaborated with team DataMinds to develop Nokia OptiFlow, an AI-powered platform that optimizes manufacturing scheduling and resource allocation in real-time. The solution improved machine utilization by 15-20% and reduced workforce idle time by 10%, enabling factories to respond to disruptions in under 5 seconds and enhance overall production efficiency.

**VEXORA'26** | [Link](#)

Feb 2026

1st · ElevenLabs

Developed **S.H.A.D.O.W. (Synthetic Human Audio-Visual Observation & Warning)**, a multi-modal deepfake detection system to combat AI-driven cyber fraud. Designed a 9-layer verification pipeline combining visual, audio, temporal, physiological, and frequency-domain analysis to assess authenticity in real time. Implemented the backend using **Python, FastAPI, PyTorch, OpenCV, MediaPipe, and Librosa**, delivering explainable risk-based fraud alerts for live and recorded media streams.

## Skills

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**Languages and Frameworks:** HTML | CSS, SQL, React, JavaScript, Tailwind CSS

**Design and Simulation Tools:** Canva

**Areas of Interest:** Market Research

**Programming Languages:** Python, C | C++

## Languages

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English [Professional Working Proficiency], Telugu [Native Proficiency], Tamil [Native Proficiency]

## Links

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[LinkedIn](#), [GitHub](#)