

Nidhi Anand Karva

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EDUCATION

Vellore Institute of Technology

BTech, Computer Science with Specialisation in Data Science - CGPA: 9.34

Vellore, Tamil Nadu

August 2023 – Present

TECHNICAL SKILLS

Languages: Typescript, C, Java, C++, Python, SQL, HTML, CSS, JavaScript

FrameWork / Libraries: Next.js, React.js, Express, Tailwind CSS, TensorFlow, Pandas, Redux

Databases: MongoDB, Mongoose

Developer Tools: VS Code, IntelliJ Idea Ultimate

PROJECTS

CCS-2025

January – March 2025

CSI Core Committee Selection Frontend Developer 2025 [website](#)

TypeScript, NextJS, Prisma, Postresql

- Architected a comprehensive online portal for Computer Science Internships (CSI); portal enabled students to apply to specific domains and complete skill-based tasks, increasing qualified applicant submissions by 40%.
- Engaged 1,200+ users, improving participation and transparency, resulting in a 25% increase in applications.

Gen AI

October 2024

Machine Learning Developer [github](#)

Python

- Processes entire textbooks to generate concise, comprehensive summaries for easy comprehension.
- Uses a voice model to read summaries aloud and answer student queries via text and speech, boosting participation by 95.69%.

DeepFake Detection Model

February 2025

Machine Learning Developer [website](#) [AI model](#)

Python, TensorFlow, Pandas

- Designed to identify AI-generated text, voice, and images with 68% accuracy in detecting deepfake documents.
- Helps raise awareness about the risks of deep-faked datasets and their impact on misinformation.

EXPERIENCE

Celebal Technologies

May 2025 - July 2025

React JS Summer Intern [website](#)

React JS, Redux, DevOps

- Built 5+ responsive web apps (Forms, To-Do List, Dashboards, Spotify Clone, E-commerce) using React Hooks, Router, and Redux for seamless state management.
- Integrated Firebase (Auth, Firestore, Realtime DB) for secure sign-in and 30% faster updates; deployed via Firebase Hosting with 99.9% uptime and 40% faster CI/CD workflows.

Computer Society of India - Clubs and Chapters

April 2024 - Present

Senior Core Member - Tech (Full stack developer) [website](#)

- Led membership selection, boosting applications by 25%, and organized workshops and hackathons in AI and cybersecurity.
- Mentored participants through hands-on sessions and developed projects like CSI Accounts (finance tracker) and GitBot (GitHub assistant) to enhance engagement.

Yantra Central Hack

April 2024

Member of the Organizing Committee and Judging Panel

- Served as a core organizing committee member for Yantra Central Hack, the largest hackathon at VIT Vellore.
- Facilitated event planning, coordination, and execution, ensuring a seamless experience for over 500 participants.
- Evaluated and judged innovative projects as a part of the judging panel, assessing technical feasibility and impact.

ACHIEVEMENTS

VIT Vellore - Central Hackathon

VIT, Vellore

Semi-finalist in VIT's biggest hackathon

February 2025

- Gained hands-on exposure to real-world problem-solving by building a multimodal ML model that detects deepfakes with 95% accuracy, classifying content as AI- or human-generated with probability scores.
- Integrated the model into a web app for real-time detection, developed a browser extension for easy access, and implemented a flagging system to warn users about sites frequently hosting AI-generated content.