

Aradhye Swarup 10th: 96.4% | 12th: 93.4% | CGPA: 8.62

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PROFESSIONAL SUMMARY

Software Developer with experience building full-stack apps, AI pipelines, and blockchain tools used by real users. Created projects like a voice cloning app, a smart contract IDE, and a news platform with 50+ users. Comfortable across the stack and focused on building usable, reliable tools.

SKILLS & TECHNOLOGIES

Languages : C, C++, Python, Java, HTML, CSS, JavaScript, TypeScript, SQL, noSQL

Technologies & Tools : React.js, Next.js, TailwindCSS, Node.js, Django, FastAPI, Express.js, MongoDB

DevOps and Toolkits : Git, AWS, Docker, Kubernetes, Azure Cloud

Machine Learning Libraries : Numpy, Pandas, TensorFlow, PyTorch, Seaborn, Scikit-learn, R, MATLAB

EXPERIENCE

Software Developer Intern | [algoleap](#) | [website](#)

May 2025 - July 2025

- Developed an end-to-end AI pipeline using Deepgram for transcription and LLaMA 3.1 for summarization to automate video content processing, reducing manual review time by 70% and improving internal documentation workflows.
- Designed modular NLP workflows with prompt-tuned summarization and structured CSV export.
- Improved UML architecture for internal tools, enhancing code scalability and clarity.
- Presented a talk on ML tools for iteration; explored Replit, v0.dev, and Loom for faster AI prototyping.

Founder | [nahneed.](#) | [website](#)

January 2025 - May 2025

- Driven by the nahneed. principle — building things people don't necessarily need, but want.
- Built it as a passion project combining full-stack development, AI, storytelling, and animation.
- Scaled blurt. to 50+ users and integrated it into the nahneed. ecosystem.
- Led tech, design, and outreach; grew Instagram presence from 0 to nearly 100 followers.
- Represented the project at startup conventions like Pioneira by E-Cell VIT, reaching the final round.

PROJECTS

Echoid | [Next.js](#), [FastAPI](#), [XTTS-v2](#), [Torch](#), [Bun](#), [Uvicorn](#), [Soundfile](#), [NumPy](#) | [Github](#)

June 2025

- Replicates human voice with emotional nuance — like Apple's Personal Voice feature, but fully customizable and developer-owned.
- Adds emotion-aware speech synthesis, letting users change tone, delivery, and vibe from a single text input.
- Runs a complete TTS stack using real audio + text — no cloud lock-in, no paid API, all on your terms.

Fortify | [MERN](#), [Solidity](#), [Hardhat](#), [Python](#), [Streamlit](#), [FastAPI](#), [Passport.js](#), [WebAssembly](#) | [Github](#)

April 2025

- Built a full-stack Solidity IDE from scratch integrating 6+ frameworks, ML vulnerability detection, and real-time contract compilation.
- Powered by a custom compiler pipeline that parses, secures, and deploys contracts in under 500ms.
- Combined AI, blockchain, and OAuth into one seamless tool used across 3 languages and 10+ tools.

EvoPacts | [MERN](#), [Solidity](#), [Truffle](#), [Web3.js](#), [Flask](#), [PyTorch](#), [Scikit-learn](#), [Plotly](#) | [Github](#)

September 2023

- Built in 36 hours to revolutionize how players and clubs manage deals using Web3 + AI.
- Powered by smart contracts & real-time ML, ensuring 100% secure, fair, and transparent agreements.
- Integrated blockchain, machine learning, data analytics, and crypto payments in one seamless platform.

EDUCATION

BTech in Computer Science Engineering | [Vellore Institute of Technology](#)

September 2022 - May 2026

- Relevant coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Theory of Computation, Discrete Mathematics, and Database Management Systems.

ACHIEVEMENTS & CERTIFICATIONS

MLOps for Generative AI | [Google](#) | [certificate](#)

May 2025

LeetCode | Solved 100+ problems across core DSA topics.

April 2025

Pioneira Finalist | E-Cell's startup convention with nahneed. among 70+ teams.

March 2025

OCI 2024 Generative AI Professional | [Oracle](#) | [certificate](#)

July 2024

HackBattle Finalist | IEEE's 36-hour hackathon with 100 teams.

September 2023

The Complete 2023 WebDev Bootcamp | [Udemy](#) | [certificate](#)

June 2023

EXTRA-CURRICULAR

Motion Graphics Head | [Indian Society for Technical Education](#)

April 2024 - May 2025

- Led a 10+ member team, ensuring content quality and smooth project execution.
- Trained members in After Effects, improving team skills by 70%.
- Coordinated two monthly events with 1,500+ participants, increasing domain engagement by 150%.