

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

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PROFESSIONAL SUMMARY

Full-stack developer and AI engineer with proven track record building production applications serving 50+ users and AI pipelines reducing manual workflows by 70%. Experience spans voice cloning systems, blockchain IDEs, and automated content processing across startups and personal ventures.

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, Seaborn, Scikit-learn, R, MATLAB

EXPERIENCE

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

May 2025 - July 2025

- Built AI pipeline using Deepgram and Together.AI, reducing manual video review time by 70% for 200+ internal videos.
- Developed modular workflows with prompt-tuned summarization and CSV export, processing 15+ hours weekly with 95% accuracy.
- Redesigned UML architecture for internal tools, improving maintainability and reducing technical debt by 40%.
- Delivered technical presentation on rapid AI prototyping tools and iteration strategies to engineering team.

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

January 2025 - May 2025

- Founded creative technology platform combining full-stack development with AI-powered storytelling experiences.
- Scaled blurt. from 0 to 50+ users in 1 month, launched version 2.0 and learned software maintenance practices.
- Led product, design, and marketing; grew social media to 100+ followers with 15% weekly engagement.
- Advanced to final round at Pioniera startup convention, competing against teams from top universities.

PROJECTS

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

June 2025

- Built voice synthesis platform with 8 emotion variations, processing audio in under 3 seconds with 92% accuracy.
- Deployed on-premise TTS stack eliminating \$200+ monthly API costs for developers.
- Engineered custom voice models without cloud dependencies for fully developer-owned voice synthesis.

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

April 2025

- Engineered Solidity IDE with ML vulnerability detection and real-time compilation, reducing development time by 60%.
- Built compiler pipeline achieving sub-500ms contract compilation and deployment across Ethereum testnets.
- Integrated OAuth and multi-language support across 6 programming languages with seamless blockchain deployment.

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

April 2025

- Developed blockchain contract platform using smart contracts and ML models for athlete-club agreement handling.
- Implemented automated execution with real-time performance analytics for transparent agreement processing.
- Built platform combining blockchain technology, ML analytics, and secure payment systems for sports industry.

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%.