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

Hyderabad, India | 📞 *+91 9212104828* | ✉ *aradhye.swarup@gmail.com* | 🔗 *aradhyeswarup* | ⌨ *cjaradhye* | Ⓖ *cjaradhye*

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 production-ready voice synthesis platform with emotion-aware speech generation featuring 8 distinct tone variations, processing audio input in under 3 seconds with 92% voice similarity accuracy.
  – Deployed complete on-premise TTS stack supporting real-time voice cloning, eliminating $200+ monthly API costs for developers.
  – Created fully customizable voice synthesis with local deployment and complete developer ownership.

Fortify | *MERN, Solidity, Hardhat, Python, Streamlit, FastAPI, Passport.js, WebAssembly* | *Github*   *April 2025*
  – Engineered full-stack Solidity IDE integrating ML-powered vulnerability detection with real-time contract compilation, reducing development cycle time by 60%.
  – Built custom compiler pipeline achieving sub-500ms contract compilation and deployment across Ethereum testnets.
  – Integrated OAuth authentication and multi-language support, serving developers across 6 programming languages with seamless blockchain deployment.

EvoPacts | *MERN, Solidity, Truffle, Web3.js, Flask, PyTorch, Scikit-learn, Plotly* | *Github*   *April 2025*
  – Developed blockchain-based contract management platform using smart contracts and predictive ML models to revolutionize athlete-club agreement handling.
  – Implemented automated contract execution with real-time performance analytics, ensuring 100% transparent and tamper-proof agreement processing.
  – Built comprehensive platform combining blockchain technology, machine learning analytics, and secure payment systems for sports industry applications.

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%.