

Aradhye Swarup

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PROFESSIONAL SUMMARY

CS student with hands-on experience building full-stack applications and AI systems. Skilled in documenting and testing software, collaborating in SCRUM-based teams, and contributing to the design and implementation of new application ideas. Strong analytical skills, highly self-motivated, and eager to learn and take initiative in fast-paced environments.

EXPERIENCE

- Software Developer Intern** | *Algoleap Technologies Pvt. Ltd.* | [Website](#) May 2025 - July 2025
- Built video processing pipeline using Deepgram and Together.AI to automate content review workflows.
 - Documented workflows and tested application features to ensure reliability and user satisfaction.
 - Collaborated in agile teams to deliver production-ready solutions, following software development best practices.
 - Developed NLP system processing 15+ hours of content weekly with CSV export functionality.
 - Redesigned system architecture using UML patterns to improve maintainability and scalability.
 - Led technical training on Full-stack tools for cross-functional team.

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate** | *Amazon Web Services* | [Certificate](#) July 2025
- MLOps for Generative AI** | *Google* | [Certificate](#) May 2025
- OCI 2024 Generative AI Professional** | *Oracle* | [Certificate](#) July 2024
- The Complete 2023 WebDev Bootcamp** | *Udemy* | [Certificate](#) June 2023

SKILLS & TECHNOLOGIES

- Languages** : Python, JavaScript, TypeScript, Java, C++, C, SQL, HTML5, CSS3
- Frameworks** : Angular, React.js, Next.js, Node.js, Spring Boot, Maven, Gradle, FastAPI, Express.js, TailwindCSS
- Cloud & DevOps** : AWS, Docker, Kubernetes, Jenkins, Tomcat, Jetty, Github Actions, Git
- Testing & Infrastructure** : Jest, PyTest, AWS CloudFormation, Terraform
- Databases** : MongoDB, PostgreSQL, MySQL

PROJECTS

- Burnbox** | *Spring Boot, Apache Kafka, AWS Elastic Beanstalk, DynamoDB, SES, SNS, S3* | [Github](#) September 2025
- Developing disposable email service with Kafka event streaming using Spring Boot & AWS.
 - Designing burn-after-read and configurable lifespans ensuring 100% automated data deletion with DynamoDB TTL.
 - Integrating AWS SES and S3 to process secure email attachments up to 10 MB.
 - Deploying on Elastic Beanstalk to achieve auto-scaling up to 10x load within AWS Free Tier.
- Blurt** | *React.js, Vite, Express.js, Node.js, MongoDB, Passport.js, JWT, Vercel, CI/CD* | [Website](#) | [Github](#) February 2025
- AI-driven storytelling platform that transforms news into WhatsApp-style group chats with character debates.
 - Increased adoption from 35 to 75+ users by moving blurts from email to a dedicated online platform with richer interactions.
 - Integrated Google OAuth authentication with animated onboarding flow for seamless user experience.
 - Designed character backstory system driving narrative engagement and repeat user sessions.
- Fortify** | *MERN, Amazon S3, Python, Scikit-learn, Pandas, Numpy, Solidity* | [Website](#) | [Github](#) April 2025
- Smart contract analysis tool with vulnerability detection.
 - Integrated machine learning model for automated security assessment.
 - Full-stack application with React frontend and Python backend.
 - Containerized application with Docker for consistent deployment.
- EvoPacts** | *MERN, Flask, PyTorch, Scikit-learn, Plotly, Solidity, Truffle, Web3.js* | [Github](#) September 2023
- Blockchain platform for sports contract management.
 - Integrated ML model to check contract fairness and automated smart contract deployment with Truffle.
 - Processed 900+ player records for contract valuation and analytics.
 - Developed analytics dashboards with Plotly and Spider Graphs which increased actionable insights for users.

ACHIEVEMENTS

- Pioneira Finalist** | *Advanced to university startup competition finals with nahneed. platform.* March 2025
- HackBattle Finalist** | *IEEE competition recognition for innovative technical solution with EvoPacts.* September 2023

EDUCATION

- BTech in Computer Science and Engineering (CSE)** | *Vellore Institute of Technology, Vellore* September 2022 - May 2026
- CGPA: 8.62. Relevant coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Networks, Object-oriented Programming System, Theory of Computation, Discrete Mathematics, and Database Management Systems.

EXTRA-CURRICULAR

- Motion Graphics Head** | *Indian Society for Technical Education* April 2024 - May 2025
- Delivered WebRTC workshop on video chat applications using WebSockets for technical community.
 - Led chapter to Best Elite Technical recognition at VIT for outstanding performance.
 - Promoted collaborative problem-solving and mentored peers in software engineering methodologies.