

# Ashok Adithya L

Chennai, India

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## EDUCATION

### Sri Sivasubramaniya Nadar College of Engineering

B.Tech. Information Technology, CGPA: 8.868/10.0

Chennai, India

Aug. 2023 – Present

### NSMVPS Higher Secondary School

12th Grade, 569/600

JEE Score: 97.07 Percentile

Karaikudi, India

Jun. 2021 – May. 2023

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, JavaScript, SQL, HTML/CSS

**Technologies:** Spring Boot, MERN Stack, Docker, Redis, Flask, Selenium, Git, GitHub, Tensorflow, Scikit-learn, WebSockets, PostgreSQL, MySQL, OracleDB

**Course Work:** Data Structures, Algorithms, Object-Oriented Programming, Database Management

**Soft Skills:** Adaptability, Problem Solving, Critical Thinking, Time Management

## PROJECTS

### Workflow Automation Platform | [GitHub](#)

Apr. 2025 – Jun. 2025

- **Tech Stack:** Spring Boot, React, PostgreSQL
- Developed a full-stack workflow automation platform enabling multi-step workflows, modular trigger-action execution with backend orchestration engine, and secure OAuth2-based credential management for services.
- Implemented polling and webhook-based triggers, dynamic frontend workflow builder, and automated token refresh logic for seamless execution.

### SOP & LOR Assistance Platform | [GitHub](#)

Feb. 2024 – Oct. 2024

- **Tech Stack:** MongoDB, Express.js, React.js, Node.js
- Designed and implemented a secure MERN platform for students to connect with experts and get help with SOPs, LORs, and resumes. Integrated Google OAuth for authentication and implemented well-structured backend APIs.
- Enabled real-time collaboration using Socket.io to allow experts to chat, review drafts, and share revisions instantly. Designed a user-friendly interface to enhance navigation and expert-student interaction.

### AI Agent-Driven Academic Project Evaluator | [GitHub](#)

May. 2024 – Sept. 2024

- **Tech Stack:** Express.js, Snowflake, Gemini API, Python, Node.js, React
- Designed an AI-based system using LLMs and semantic embeddings to evaluate academic projects by analyzing reports, code and presentations for plagiarism.
- Implemented an autonomous evaluation agent that generates normalized scores and professor-style feedback, ensuring fairness and scalability in student project assessment.

### Unified Distributed Rate Limiting & Monitoring Platform | [GitHub](#)

July. 2025 – Oct. 2025

- **Tech Stack:** Node.js, Redis, Kafka, React, PostgreSQL, Docker
- Built a scalable dual-mode rate limiting framework with SDK-based local enforcement and a centralized control plane for distributed coordination.
- Developed a real-time analytics dashboard using React and WebSockets to visualize request rates, limit violations, and API traffic patterns.

## LEADERSHIP / EXTRACURRICULAR

### Core Member, SSN Coding Club - Cyber Security

Sept. 2024 – Present

Sri Sivasubramaniya Nadar College of Engineering

Chennai, India

- Collaborated with team leads to organize technical events and workshops.
- Conducted an online computer networking workshop using Cisco Packet Tracer.

## CERTIFICATIONS

- Ethical Hacking - IIT Kharagpur
- The Complete 2024 Web Development Bootcamp - Udemy