

# Aarushi Swaminathan

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## EDUCATION

- Shiv Nadar University , Chennai ,India  
BTech CSE (Cyber Security) ;  
CGPA: 8.37 (as of sem 2) 2024 - Present
- The Pupil Saveetha Eco School ,Chennai ,India  
Senior Secondary Certificate (Grade 12 CBSE);  
Percentage: 92.4% March 2024

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## TECHNICAL SKILLS

<b>Programming Languages:</b> Python, C/C++, Java, SQL	<b>Web Technologies:</b> HTML, CSS	<b>Core Fundamentals:</b> Operating Systems, DBMS, Data Structures & Algorithms, OOPs, Cryptography
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## PROJECTS/HACKATHONS

### JhatPatBUS - Smart India Hackathon 2025 (Govt. of Punjab)

- Full-stack smart transit solution for tier-2/3 cities to solve overcrowding and the digital accessibility gap.
- Engineered a Node.js/Python backend to process live ETM (Electronic Ticketing Machine) data, calculating real-time bus occupancy and ETAs.
- Built a user facing HTML/JS prototype with OpenStreetMap for offline maps and Chart.js for historical crowd data visualization.
- Innovated an accessible IVR/SMS helpline by integrating a telephony API (like Twilio) with the backend, ensuring 100% user accessibility.
- Gained experience in teamwork, rapid prototyping, and presenting a technical solution to SIH panel of college.

### Fetch'A'Fest - SNUC Hacks

- Developed a basic dynamic, role-based event discovery platform for college fests across India.
- Engineered the complete client-side application using HTML, CSS, and pure JavaScript, featuring separate dashboards for students (browsing/registering) and admins (managing events).
- Simulated a full-stack backend and REST API by leveraging localStorage as a client-side database to persist and manage all event, user, and registration data dynamically.

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## CERTIFICATIONS & ONGOING LEARNING

- Ongoing Blockchain basics course by Cyfrin Updraft October 2025 - Present
- Actively developing personal projects and self studying modern web frameworks