

SAMARPIT AGARWAL

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EXPERIENCE

Amazon — Software Developer Intern (Unified Transportation Demand Injection Team) (July 2025 – Present)

- Built an Alarm Review Tool that consolidated alarms for a given monitor ID, reducing review time by **80%** and boosting developer productivity.
- Automated threshold recommendations using 30-day API traffic data, reducing manual effort by **70%** and improving review accuracy.
- Enhanced observability across 100+ services, improving system reliability and developer efficiency.

PROJECTS

Cinema Trails — Movie Ticket Booking Platform

- Designed backend architecture enabling seamless user–theatre interaction with secure Stripe payment integration.
- Implemented RESTful APIs, error handling, and middleware for maintainable and secure backend operations.
- Tech Stack: Node.js, Express.js, MongoDB, Stripe API | Live: fastidious-selkie-4d4978.netlify.app

Alumni Portal — Real-time Alumni Interaction Platform

- Developed modular backend with job, blog, donation, and chat controllers ensuring clean architecture.
- Built 1:1 chat system using Socket.IO supporting files, emojis, audio/video, and encrypted communication.
- Implemented real-time notifications via Server-Sent Events.
- Tech Stack: Node.js, Express, MongoDB, Socket.IO | Live: alum-link-beige.vercel.app

ACHIEVEMENTS

- 4★ on CodeChef (1830) | Knight on LeetCode (1936) | Specialist on CodeForces (1438)
- Winner of 7+ DSA contests and hackathons across institutes.
- Consistently ranked among Top 5% students (CGPA: 9.24).

EDUCATION

Maharaja Agrasen Institute of Technology (MAIT) — B.Tech in Computer Science and Technology (2022 – Present)

- Current CGPA: 9.24

St. Mary's School — XII (ISC, 2022): 93% | X (ICSE, 2020): 92.16%

LEADERSHIP

- Founder, Decode Community — Mentored 350+ peers in Data Structures & Algorithms.
- Coordinator, TechXtract Society — Organized tech events, handled content & coordination.

SKILLS

Languages: C, C++, Python, Java, JavaScript

Frameworks: Node.js, Express.js

Databases: MongoDB, MySQL

Concepts: OOP, DBMS, OS, CN

Tools: Git, GitHub, Postman