

Geetansh Goyal

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PROFESSIONAL SUMMARY

Google Summer of Code 2026 contributor with openSUSE and ICPC Amritapuri Regionalist 2025. Open-source developer and competitive programmer building event-driven automation and full-stack systems in C++, Python, TypeScript, MQTT and Node-RED, contributing upstream to production open-source platforms.

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025-2029	Bachelor of Technology (Computer Science)	Newton School of Technology, S-VYASA (Bangalore)	7.33/10.0
2024-2025	Intermediate (Class XII)	Shri Uttam Public School	69.0%
2022-2023	Matriculation (Class X)	Shri Uttam Public School	83.33%

ACHIEVEMENTS

- **openSUSE Member** since February 2026, granted for sustained contribution to the project
- **Speaker, openSUSE Conference 2026 (Nuremberg, Germany) and openSUSE.Asia Summit 2026 (Yogyakarta, Indonesia):** delivered "From Student to Contributor: Getting Started with openSUSE" and presented Bengaluru's bid to host openSUSE.Asia Summit 2027; travel funded by the Geeko Foundation Travel Support Program

INTERNSHIPS

Contributor April 2026 - August 2026
Google Summer of Code @openSUSE Project *Remote*

- Selected for a 175-hour funded open-source contribution programme with the openSUSE Project, mentored by Ondrej Holecsek and Abid Mehmood
- Engineered an **MQTT** event publisher for the Uyuni platform in **Java**, working upstream through RFC authoring and maintainer code review

Web Developer Intern July 2024 - August 2024
Varlyq Technologies *Remote*

- Developed responsive web applications using **HTML**, **CSS**, **JavaScript**
- Built UI components and improved frontend performance

PROJECTS

Marvin - TSP Revamp ([Github](#)) September 2026

- Built a **Django 6 / Python 3.13** platform for the openSUSE Geeko Foundation: speakers request event travel funding, a committee reviews, and finance pays out via Wise
- Authored 13 pull requests (+2,978 lines across 95 file changes) as the project's top contributor by commit count

Argus - Anti-Proxy College Attendance System ([Github](#)) ([Demo](#)) September 2026

- Built a college attendance platform in **TypeScript** with **Fastify** and **PostgreSQL**, a **React** admin console and a **Flutter** student app
- Prevented proxy attendance through rotating QR sessions, device binding and hardware attestation to verify physical presence

Doorman - Wi-Fi Bridge for IoT Devices ([Github](#)) ([Demo](#)) August 2026

- Built **ESP32** firmware in **C++** turning an M5StickC into a NAT bridge, so devices with no browser reach captive-portal or WPA2-Enterprise Wi-Fi behind a single login
- Developed a browser-based installer that flashes firmware over **Web Serial**, removing any need for a local toolchain

Event-Driven Automation for Uyuni (MQTT + Node-RED) ([Github](#)) ([Demo](#)) April 2026

- Authored the design RFC (uyuni-rfc#119, +703 lines) defining the event topic scheme
- Implementation PR uyuni#12385: +5,211 lines across 69 files in 15 commits, spanning the Java core, two container images and a Node-RED node package

PUBLICATIONS

Event-Driven Automation for Uyuni via MQTT and Node-RED, openSUSE News (news.opensuse.org) ([Link](#)) September 2026

CERTIFICATIONS

ICPC Amritapuri Regionalist 2025 International Collegiate Programming Contest (ICPC) ([Link](#)) January 2026

SKILLS

- **Programming Languages:** C++, JavaScript, Python, TypeScript, Java, SQL
- **Web & Application Development:** React, Tailwind CSS, Django, Node.js, Express JS
- **Core CS:** Data Structures and Algorithms, DBMS
- **Data, Infrastructure & Tools:** PostgreSQL, Firebase, Docker, GitHub Actions, Git and Github

EXTRA-CURRICULAR ACTIVITIES

- **Booth Manager, openSUSE at India FOSS:** represented the openSUSE Project at India's largest free and open source software conference, introducing attendees to the distribution and its contribution paths
- **President, DevForge** (Nov 2025 - Oct 2026): led the college developer club for a year, running its open-source onboarding programme and growing the student contributor community