

SARAFARAJ NASARDI

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Education

National Institute of Technology, Agartala

2023 – 2027

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.39

Vyankatrao Junior College, Ajara

2021 – 2023

Senior Secondary (XII)

Percentage: 80.3

Experience

Google Summer of Code 2026 – FOSSASIA

May 2026 – Present

Open Source Developer – eventyay Video Platform

Remote

- Building a multi-provider video conferencing platform for eventyay – used at FOSSASIA Summit and Wikimania – integrating **WebRTC**, **BBB**, **Jitsi**, and **Janus**.
- Re-architected **Janus WebRTC Gateway** into three dedicated handles, fixing async race conditions and silent mute failures during renegotiation.
- Architected a **Vue.js SPA** with role-based route guards, Vuex admin module, and real-time WebSocket-driven AdminDashboard.
- Integrated **Jitsi Meet iFrame API** as a new room type and added **Vimeo Live** to the streaming pipeline alongside YouTube.

Projects

ArtisanKart | Node.js, Express.js, MongoDB, React, JWT

- Designed and built the full backend for a **Northeast India artisan e-commerce platform** – including REST APIs for product management, order tracking, artisan onboarding, and **payment gateway integration** (UPI, cards, and wallets) – connected to a React frontend with real-time inventory sync.
- Won Pravah Hackathon** at NIT Agartala, competing against 200+ participants.

Collaborative Interview IDE | Django, Django REST Framework, Django Channels, Vue.js, Monaco Editor, Judge0, WebSockets

- Built a **real-time collaborative coding interview platform** with room-based interview sessions, shared Monaco code editor, live code synchronization using **Django Channels WebSockets**, and a Vue.js frontend for creating and joining interview rooms.
- Integrated **Judge0 code execution** through Django REST APIs to run Python, C, C++, and Java submissions against multiple custom test cases, compare expected vs actual output, and broadcast shared execution results to all participants in the interview room.
- Designed the platform with an extensible architecture for future interview features such as **video calling**, interviewer-candidate presence, chat, problem management, and saved submission history.

Achievements

- Google Summer of Code 2026:** Selected as a Contributor at **FOSSASIA** to architect the eventyay-video SPA – one of a small number of students accepted globally for this project.
- Competitive Programming:** [Codeforces Specialist \(Max 1481\)](#) | [LeetCode Knight \(1850+\)](#) | [CodeChef 3-Star \(1655\)](#) | **1,450+** problems solved across platforms.
- Winner, Pravah Hackathon** at NIT Agartala | **Runner-up, Tripura State Cybersecurity Hackathon** | **Runner-up, Coderelay 3.0** among 300+ teams at IIT Bhubaneswar.

Technical Skills

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

Backend: Django, Django REST Framework, Janus WebRTC, RESTful APIs, WebSockets, JWT Authentication

Frontend: Vue.js, React.js, Tailwind CSS, HTML, CSS

Databases: PostgreSQL, MongoDB, MySQL, Redis

Tools & Platforms: Docker, Git, Linux (Arch), Postman, GitHub Actions, CI/CD

CS Fundamentals: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks, Software Engineering

Positions of Responsibility

- President, Developers and Coders Club, NIT-A:** Leading a 40+ member technical community; organized **SANGAAM** (open source event) and national-level hackathons attended by 1,000+ students. *Sept 2025 – Present*