

Debashish Sinha

Portfolio | GitHub | LinkedIn

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EDUCATION

Siliguri Institute of Technology

B.Tech, Computer Science & Engineering

Siliguri, India

2024 – 2028

Delhi Public School

Class XII (PCM)

Siliguri, India

2018 – 2023

SKILLS

Languages: Go, Python, TypeScript, JavaScript

Frameworks/Libraries: React, Tailwind CSS, Django, Flask

Databases: MySQL, PostgreSQL, Firebase

Tools: Git, GitHub, Docker, Nginx

Soft skills: Communication, Documentation, Ownership, Collaboration

ACHIEVEMENTS

Grand Finalist, Smart India Hackathon Grand Finale 2025 (IIT Roorkee)

Dec 2025

Winner, Internal Smart India Hackathon

Sep 2025

Top 5, 30-Day Coding Challenge (CES, SIT)

Sep 2024

PROJECTS

GopherNet | Go, TypeScript, React, MySQL, Tailwind CSS, Vite, Nginx, Docker | GitHub

- Built a real-time event platform to create, browse, and join events with live updates and authentication.
- Designed a modular Go backend (REST + WebSocket APIs) with MySQL; built a React/TypeScript frontend.
- Containerized the stack with Docker and served it behind Nginx; added timeline view and role-based access.

IC3 System | Python, Flask, PyInstaller, PyCryptodome | GitHub

- Built an offline-ready command dashboard for GPS tracking, SOS alerts, and base-to-unit messaging.
- Implemented secure messaging using Diffie–Hellman + HKDF-SHA256 derived session keys and AES-256-CBC encryption.
- Added SHA-256 integrity checks and RTT-based telemetry for link health and latency monitoring.

LICENSES & CERTIFICATIONS

GO Programming for Everyone: Part 1 & 2 (UC Santa Cruz)

Oct 2025

AWS Fundamentals (Amazon Web Services)

Dec 2025

POSITIONS & ACTIVITIES

Computer Engineers' Society

Junior Associate Member

Siliguri, India

SIT Chess Club

Management Lead

Siliguri, India