

# SUJOY SAMANTA

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## 🎓 Education

**B.Tech in Computer Science & Engineering**

**2022 - 2026**

Techno International Newtown | Percentage: 72%

**Higher Secondary Education (HS)**

**2020 - 2022**

Shyam Sundarpur Patna High School | Percentage: 95%

## 📚 Relevant Coursework

Data Structures and Algorithms	Database Management Systems	Software Engineering
Object-Oriented Programming	Operating Systems	Computer Networks

## 🌐 Projects

### I. FundRaiser – A Decentralized Crowdfunding Platform

[Demo](#) [GitHub](#) [Contract](#)

**Technologies:** Solidity, Smart Contracts, Ether.js, Next.js, TypeScript, Node.js, Prisma, PostgreSQL.

- A decentralized platform where anyone can start a campaign, and contributors can donate via **crypto**. After fundraising, **voting decides** whether funds are withdrawn or refunded.
- Enabled **real-time events tracking** using **Blockchain event listeners** and WebSockets.

### II. EDUBRIDGE

[Demo](#) [GitHub](#)

**Technologies:** Next.js, TypeScript, Tailwind CSS, Node.js, Prisma, PostgreSQL, WebSocket.

- Built a web platform connecting freshers and alumni with features like chat and video calls.
- Implemented components such as **notification systems**, user authentication (**Next Auth**), and **chatbots** (OpenAI GPT API). Managed the deployment using **Docker** and **AWS EC2**.

### III. Live Video Call Application (DEVSMEET)

[Demo](#) [GitHub](#)

**Technologies:** Socket.io, WebRTC, MediaSoup, TypeScript.

- Developed a real-time video calling app with **MediaSoup** for server-side audio/video track management.
- Integrated **WebRTC** for seamless peer-to-peer connectivity.

### IV. Developed clones of **Zapier**, **Airbnb**, and **Flipkart** along with innovative applications like **Jarvis AI**, a **Movement Detector**, and a **Decision Review System (DRS)** for Cricket. [GitHub](#)

## 🧠 Technical Skills

- **Languages:** JavaScript, TypeScript, C, Java, Python, Html, CSS.
- **Blockchain/Web3:** Solidity, Rust, Web3.js, Ethers.js, Foundry, Smart Contracts.
- **Frameworks & Libraries:** Node.js, Express.js, React, Next.js, Tailwind CSS, Prisma.
- **Databases:** PostgreSQL, MongoDB, Prisma (ORM). • **DevOps:** Docker, AWS EC2, Kafka, Redis.
- **Version Control:** Git, GitHub.

## 🌟 Achievements and Strengths

- ✓ **Participated in Smart India Hackathon (SIH) 2023 Grand Finale.**
- ✓ Actively participate in sports, attend gym sessions, and maintain a healthy, disciplined lifestyle.
- ✓ Strong **problem-solving skills** with a focus on optimizing solutions.
- ✓ Adaptable and quick to learn new technologies and frameworks.
- ✓ Dedicated team player with a collaborative approach to achieving goals.