# Sujoy De

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## Education

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|---|---|
| **VIT Bhopal University, Bhopal** | **2022 - 2026** |
| *B.Tech in Computer Science & Engineering* | *8.89/10 CGPA* |
| **Uttarpara Model School (H.S.), Uttarpara, Hooghly, W.B.** | **2014 - 2022** |
| *XII (Higher Secondary)* | *94%* |
| *X (Secondary)* | *92.8%* |

## Technical Skills

**Programming Languages**: C, C++, Python, Rust, Bash, PowerShell, Go
**Full Stack Frameworks**: React, Next.JS, Django, PostgreSQL, MongoDB, Firebase, Docker
**Blockchain Development**: IPFS, Solidity, Ethereum, Foundry-RS, Wagmi

## Projects

**Crypto Quest: Blockchain Knowledge Platform** — Link
- Developed an open Web3 app featuring blockchain-based games to enhance users' blockchain skills.
- Implemented Game 0 (MCQ quiz) and Game 1 (smart contract interaction) to assess blockchain skills.
- Used **Next.js**, **Wagmi**, and **Viem** for seamless interaction with deployed smart contracts.

**KeySafe Vault: Secure Vault for Password and File Management** — Source Code
- Led a team of 5 to develop a secure vault focusing on high security and user convenience.
- Implemented backend with **Python-Django** and **PostgreSQL**, and integrated **Node.js** with **MongoDB** for scalability.
- Built a responsive front-end using **React** and deployed with **Docker** for consistent performance.

**ICDCC 2024 Website: Official Event Platform** — Link Source Code
- Developed the official website for **ICDCC 2024**, providing event information, registration, and schedules.
- Built using **Vanilla JavaScript** and **Bootstrap** for a responsive and user-friendly interface.
- Hosted on the official **VIT Bhopal** domain, ensuring credibility and accessibility for a wide audience.

**CertifyHub: Certificate Generation and Validation System** — Source Code
- Created a certificate system using **Solidity** smart contracts on Ethereum for secure issuance and validation.
- Enabled unique, tamper-proof certificates with public verification to enhance trust.

**Geo-India: Geospatial Guessing Game** — Link
- Led a team of 4 to develop a geospatial game for **Space India Hackathon**.
- Utilized **Firebase** for backend and **Google Maps SDK** for interactive map features.

## Certifications

### Google IT Professional Certificate
- **The Bits and Bytes of Computer Networking** — *Google* — Achieved a grade of 96.75%. An in-depth study on the fundamentals and advanced concepts of computer networking.

### Learn to Program
- **Learn to Program: The Fundamentals** — *University of Toronto* — Completed the course with a grade of 100%. A comprehensive study on the basics of programming and software development.

## Achievements
- Ranked **40** among 300+ teams in **Apoorvctf 2024** by *IIIT Kottayam*
- Ranked **124** among 955 teams in **University CTF 2022** by *HackTheBox*

## Leadership

### GDG on Campus - VIT Bhopal
*Blockchain Team Lead*
- **Led the Blockchain Team for GDG on Campus** Managed blockchain-related projects and mentored team members in advanced blockchain technologies.

### Cyber Warrior Club
*R&D Lead* — *Appointment Letter*
- **Led the R&D Department of Cyber Warriors Club** Led a team of researchers in exploring and developing innovative cybersecurity solutions.