

# SUJOY DE

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🌐 [linkedin.com/in/sujoy-de](https://linkedin.com/in/sujoy-de) 🐙 [github.com/desujoy](https://github.com/desujoy) 🏆 [leetcode.com/sujoyde](https://leetcode.com/sujoyde)

## Education

**VIT Bhopal University, Bhopal**

*B.Tech in Computer Science & Engineering*

**2022 - 2026**

*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:** Python, Bash, PowerShell, Go

**Full Stack Frameworks:** React, Next.js, Django, Flask, FastAPI, PostgreSQL, MongoDB, Firebase, Docker

**Blockchain Development:** IPFS, Solidity, Ethereum, Foundry-RS, Wagmi

**Cloud Providers:** AWS, Google Cloud Platform

## Work Experience

**Software Developer Intern**

**March 2025 - August 2025**

*Kwikflow Service Pvt. Ltd. (Remote)*

*Product: visakwik.com, kwkjob.com*

- Secured 100% of stored data with **AES-256** and protected 30+ backend endpoints with API key authentication.
- Enhanced an AI autofill prediction model, boosting **accuracy by over 30%** on more than 10 different embassy portals.
- Implemented **AWS Auto Scaling and Load Balancing** to efficiently manage AI agent workloads.
- Deployed a **custom AMI with GUI support** to successfully bypass sophisticated bot detection mechanisms.
- Integrated **BigQuery logging** for Kwkjob.com's AI agents to enhance transparency and observability.

## Projects

**DocSec: Decentralized Document Integrity Platform using ZK-Proofs**

[Link](#)

- Built a decentralized system using **Zero-Knowledge Proofs** for private verification of document integrity.
- Developed a **FastAPI** backend to generate **Groth16** ZK-proofs from **SHA-256** hashes with **Circom** and **SnarkJS**.
- Wrote a **Solidity** smart contract for on-chain proof verification, featuring RBAC and an immutable audit trail.

**KeySafe Vault: Secure Vault for Password and File Management**

[Source Code](#)

- Directed a team of 5 to develop a secure vault focusing on high security and user convenience.
- Constructed backend with **Django** and **PostgreSQL**, and integrated **Node.js** with **MongoDB** for scalability.
- Composed a responsive front-end using **React** and deployed with **Docker** for consistent performance.

**Crypto Quest: Blockchain Knowledge Platform**

[Link](#)

- Spearheaded a **Web3** learning platform featuring 2 interactive blockchain games.
- Architected Game 0 (MCQ quiz) and Game 1 (smart contract interaction) using **Next.js**, **Wagmi** & **Viem**.
- Streamlined on-chain calls to minimize user wait times and improve responsiveness.

## Certifications

- **AWS Academy Cloud Foundations** — *Amazon Web Services Training and Certification*
- **AWS Academy Cloud Architecting** — *Amazon Web Services Training and Certification*

## Achievements

- LeetCode Knight with rating of 2000+
- **HackOn with Amazon - Season 5** - Among Top **100** teams nationwide, competing against 1,860 teams.
- Ranked **40** among 300+ teams in **Apoorvctf 2024** by *IIIT Kottayam*

## Leadership

**GDG on Campus - VIT Bhopal**

*Blockchain Team Lead*

- **Led the Blockchain Team for Google Developer Groups on Campus**
- Managed blockchain-related projects and mentored team members in advanced blockchain technologies.