# Sayan Hazra

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## EDUCATION

**B. Tech. Computer Science and Engineering**               Sept' 20 - Aug' 24 (Expected)
Kalinga Institute of Industrial Technology                           Bhubaneswar, Odisha
**Cum. GPA:** 8.73/10

## WORK EXPERIENCE

**PEGMAN** | Backend Engineering - Intern                 Remote | Aug 2023 – Present

- Designed the system architecture for **delivery engine**, empowering the platform as users' doorstep Liquor Delivery.
- Developed **8+ endpoints** across **2 microservices** integrating with **OMS** and **Aadhaar API** for e-KYC Verification.
- Engaged in product/design discussions, offering valuable **insights to impact** product development, user satisfaction.

**HIGHRADIUS** | Product Engineering - Intern                 Remote | May 2023 - Jul 2023

- Built an **AI-Enabled** FinTech B2B Invoice Management application using React, Java, and MySQL.
- Deployed a payment prediction model with **80% accuracy** via **EDA** and **Feature engineering** using Python.

**GRAPIXI** | Freelance                                       Remote | Jun 2021 - Aug 2021

- Employed **HTML, CSS, JavaScript** & **jQuery** to built **responsive** portfolio with **cross-browser compatibility**.
- Led a team of **four** (TeamClover) **managing CI/CD workflows** for seamless updates on Netlify.

## PROJECTS

**SYNC SPEAK** ⬈                                         React.js, WebRTC, MongoDB

- Developed social audio app leveraging **WebRTC** & **SocketIO** for **real-time** chat with an average **latency of 45-75ms**.
- Architectured **microservices** and implemented the **MVC** pattern for improved scalability and maintainability.
- Orchestrated **protected routes** using 'react-router-dom' and efficient **global-state storage** using Redux.
- Integrated **Twilio API** for **OTP**-based authentication over sms /email to enhance security and user verification.

**HEALTH VAULT** ⬈                                       React.js, Solidity, Ethereum

- Proficiently engaged in Decentralized Healthcare, developing a Electronic Health Records Management platform on Ethereum Blockchain, solving **interoperability** and **privacy** among stakeholders.
- Built **easy interface** using **React** and ensured the integrity and availability of decentralized records via **IPFS**.
- Strengthened platform integrating **Aadhaar API** for **e-KYC** authentication, **countering DDoS** and **Sybil** attacks.

**CLOUD DRIVE** ⬈                                         EJS, Express.js, MongoDB

- Engineered a secure, **scalable** cloud storage for file management & synchronization with direct relay to **S3 Bucket**.
- Designed dynamic user interfaces with **EJS** templates, enabling admin controls, search and **sharing** capabilities.

## ACHIEVEMENTS

- **Google Hash Code:** Points scored: *20,92,461* , *Global Rank 1735* (*Country Rank 488*).
- **Codechef:** Max Rating: **5 star (2000)** , Best Performance: *Global Rank: 125* in June Cook-Off 2021 Division 2
- Cleared **Problem Solving (** *Intermediate* **)** and **Node Js (** *Advanced* **)** assessment by **HackerRank**.
- Qualified for **Level 2 in Flipkart GRiD 5.0** - Health+ Track, the **only team** from the college to do so.

## SKILLS

**Languages:** Java, Javascript/TypeScript, Python, Solidity       **Databases:** MySQL, MongoDB, Redis, Prisma
**Technologies:** React, Node.js, Express, Truffle, WebRTC, SocketIO, Postman       **Cloud:** Linux, Docker, AWS (S3, EC2), Git Actions