

Satyam Jha

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Innovative Full Stack Developer specializing in Next.js, MERN, Rust, and TypeScript, with expertise in AI, blockchain, and high-performance web applications. Secured 1st Runner-Up at Intel GenAI Hackathon 2024, Top 4 in Accenture Innovations Challenge, and Best Aptos dApp at Defy 2025. Spearheaded the HackNight'25 website, built InsureFi, and developed Pharmora. Experienced in leading team-based projects, coordinating across departments, and delivering practical solutions that enhance efficiency and performance..

Education

Vellore Institute of Technology

B.Tech in Computer Science and Engineering

- CGPA: 9.21/10

July 2023 - Present

Achievements

🏆 Clinched the **BestUnique Aptos dApp** at Defy 2025

January 2025

🏆 Reached **Top 4** as finalists at **Accenture Innovations Challenge 2024**

December 2024

🏆 Secured **1st Runner-Up** position at **Intel GenAI Hackathon 2024**

October 2024

🏆 Attained **97%** in **JEE Mains Examination**

June 2023

Projects

Pharmora – Bioinformatics Research Platform

[Source Code](#)

Goal: To develop an AI-powered bioinformatics tool for accelerating drug discovery and predictive analysis.

- Engineered an AI-powered bioinformatics platform utilized by **multiple researchers** for drug discovery.
- Devised predictive tools, including Bioactivity Predictor for molecular bioactivity prediction, Solubility Predictor for compound solubility analysis, and Molecule Generator for creating new molecular structures to aid drug discovery.
- Processed more than **100+ molecular analyses**, optimizing data efficiency by **40%**.

InsureFi – Blockchain-Based Life Insurance Platform

[Source Code](#)

Goal: To create a decentralized and transparent insurance system leveraging blockchain technology.

- Programmed a blockchain-based life insurance platform ensuring transparency and security.
- Integrated Rust-based smart contracts to manage **insurance policies**.
- Designed a Next.js frontend and a MERN backend, for improving claim approval time.

HACKNight'25 Website

[Url](#) | [Source Code](#)

Goal: To create a high-performance web platform for seamless hackathon event management and participant engagement.

- Designed and developed the official HackNight'25 website using Next.js and Tailwind CSS.
- Optimized for **3,500+ participants**, achieving a **60% faster** load time.
- Ensured real-time event updates and handled **500+ concurrent users** with **zero downtime**.

Skills

Languages: C++, C, Python, Javascript, Typescript, Rust

Frontend Development: ReactJS, NextJS, HTML, CSS, Sass, EJS

Backend Development: Django, Flask, ExpressJS, Encore, Bun

Developer Tools: Git, GitHub, Postman, ChatGPT

Volunteer Work

HackNight'25 Core Organizing Member

October 2024 - March 2025
Chennai, TN

Volunteering & Leadership

- Organized **HackNight'25**, a **36-hour hackathon** hosted by **HackClub VIT Chennai**, overseeing logistics, execution, and participant engagement.
- Orchestrated two **speaker sessions** on **AI-Driven Development** and **Clean Code Writing**, sharing best practices while fostering a collaborative learning environment.

Technical Contributions

- Spearheaded the development of the **HackNight'25 website** (hacknight25.tech) using **Next.js** and **Tailwind CSS**, ensuring a seamless digital experience. Supervised technical operations to optimize **event registration**, **real-time updates**, and **platform performance** for **3,500+ participants**.
- Collaborated with a team of skilled developers to enhance the **digital presence**, improve platform **scalability**, and ensure **500+ concurrent users** with **zero downtime**.