

MANOBENDRA MANDAL

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📁 [Portfolio](#)

EDUCATION

Sister Nivedita University, Kolkata

2022 – 2025

Bachelor of Computer Applications CGPA: 9.16

Kolkata, West Bengal

Courses: Data Structures, Operating Systems, Computer Networks, Object Oriented Programing, Database Management System

EXPERIENCE

Newscope 

October 2024 – January 2025

Role - Web Developer

Remote

- Built the full-stack Newscope platform with **Next.js, Express, and MongoDB**, featuring a secure admin panel for content management.
- Developed an author application workflow with **Nodemailer** to automate email alerts and streamline the onboarding process.
- Managed full-stack deployment, building a responsive UI with **Tailwind CSS** and securing the backend with **REST APIs** and **JWT**.

SKILLS SUMMARY


Languages: Python, C, C++, JavaScript, Rust, Java, Solidity

Web & Blockchain: React.js, Next.js, Tailwind CSS, Bootstrap, MongoDB, Express, ethers.js, Wagmi, IPFS, The Graph

Tools & DevOps: Git, Docker, Socket.io, VS Code, Postman, Hardhat, Arcjet, Inngest, Pinata, Alchemy

AI/Automation: Gemini AI, OpenAI APIs, Nodemailer

PROJECTS

Fork Work  | Solidity, Next.js, ERC20, Wagmi, IPFS, Sepolia


Jun 2025 - Jul 2025

- Built a decentralized freelance platform enabling smart-contract-based gigs, contests, and on-chain reputation.
- Implemented skill-matching, bounty submission, and dispute prevention flows with gas-efficient Solidity.
- Won the ETHIndia track prize at Hack4Bengal 4.0 among 300+ participants.

Chingu Finance  | Next.js, PostgreSQL, Inngest, Gemini AI


Jul 2025 – Present

- Built a full-stack finance tracker with budgeting, AI receipt parsing, and CSV/PDF exports.
- Added recurring transactions via Inngest and real-time balance sync across accounts.
- Implemented currency selection, Clerk auth, and Arcjet bot protection.
- Used Gemini AI to extract data from receipts and generate spending insights.

PolyTix  | Solidity, NFTs, The Graph, Polygon, ethers.js

Jan 2025 – Apr 2025

- Built a decentralized voting dApp supporting token-gated, open, and registration-based campaigns.
- Secured voting via NFT-based access for voters and candidates.
- Used The Graph to index campaigns and voting data for efficient querying; with live on-chain results.

Edu Legacy  | Solidity, Next.js, EDU Chain

Jan 2025 – Present

- Decentralized Smart Will system for programmable asset and scholarship inheritance.
- Integrated inactivity and milestone-based unlocks with signature verification.
- Won over \$10,000 in hackathon bounties and was accepted into the Open Campus Incubator.



CERTIFICATIONS

- **Hackerrank Certifications:** Advanced SQL, React.js, and Java.

POSITIONS OF RESPONSIBILITY

- **Web Dev Team Lead, Skepsis Tech Club** (2024–25): Led development of internal platforms and official website.
- **Web Team Member, Zero Day Alliance** (2024–25): Built and maintained the official cybersecurity club site.
- **Guru (Educator), Web3 Wizards** (2024–25): Conducted smart contract workshops; onboarded students into Web3.

ACHIEVEMENTS

- **2nd Place – Core Hacker House India** (\$1500)
Built “Coro Tashi”, a liquid staking protocol on Core Chain. 
- **1st Place – MetaMask Dev Cook-Off** (\$3000)
Developed “Linea Legacy” a decentralized solution for securing and passing on digital and educational assets. 
- **Winner – AIA Chain Inaugural Hackathon**
Secured top spots with two projects in the consumer track. 