MANOBENDRA MANDAL

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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 Managemnet System*

EXPERIENCE

Newscope ⬈   **Oct 2024 − Jan 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 simplify onboarding.
- 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, Envio
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**

- 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   **Aug 2025**

- 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.

Mizu Pay ⬈ | Solidity, Next.js, Envio, Browser Extension   **Oct 2025 − Present**

- Built a decentralized checkout platform for real-world payments using Celo stablecoins.
- Integrated extension, DApp, and Envio-based on-chain payment tracking with Supabase backend.
- Won 2nd Prize at the Build On Celo Hackathon by Rise In — Kolkata.

Edu Legacy ⬈ | Solidity, Next.js, EDU Chain   **Jan 2025 − Present**

- Developed a decentralized Smart Will system for programmable asset and scholarship inheritance.
- Integrated inactivity and milestone-based unlocks with signature-based validation.
- Won more than $10,000 in hackathon bounties and accepted into the Open Campus Incubator.

CERTIFICATIONS

- **Hackerrank Certifications:** Advanced SQL, React.js, and Java.
- **XPro Program on Cybersecurity** – API Testing by Employability.life in collaboration with Federation University Australia.

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 – Two Tracks, Loops Hacker House (ETHGlobal New Delhi)**   ⬈
  Built GrassDotFun, a decentralized betting platform; won 3rd Prize in NEAR ($500) and Golem DB ($300) tracks.