MANOBENDRA MANDAL

Kolkata, West Bengal

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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 Programming, Database Management 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 onboarding workflow with **Nodemailer**.
- 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, Node.js, Express, MongoDB, PostgreSQL, Ethereum, Solana, Tailwind CSS, Bootstrap, ethers.js, Wagmi, IPFS, The Graph
Tools & DevOps: Git, Docker, Socket.io, VS Code, Postman, Hardhat, Arcjet, Inngest, Pinata, Alchemy, Nodemailer
AI/Automation: OpenAI APIs, Gemini AI

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 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

- **1st Place − MetaMask Dev Cook-Off** ($3000)   Apr 2025 ⬏
  Developed "Linea Legacy", a decentralized solution for securing and passing on digital and educational assets.
- **2nd Place − Core Hacker House India** ($1500)   Mar 2025 ⬏
  Built "Coro Tashi", a liquid staking protocol on Core Chain.
- **Winner − AIA Chain Inaugural Hackathon**   Dec 2024 ⬏
  Secured top spots with two projects in the consumer track.