NANDINI PANDEY

9933506086 ◇ Durgapur, India

✉ ajayapandey2404@gmail.com 🌐 Portfolio 🔗 LinkedIn ⬤ Github

OVERVIEW

4x Hackathon winner with expertise in AI, IOT, Blockchain, and Full-Stack development; **3× MUN awardee**.

EDUCATION

Pursuing B.Tech in CSE, Dr. B.C. Roy Engineering College, Durgapur.

SKILLS

Languages & Web	C/C++, JS/TS, PHP, Python, Java, Wordpress, React,js, Next.js, Node.js, Tailwind
AI/Blockchain/CS	Tensorflow, OpenCV, NLP, TinyML, Solidity, ZKPs, IPFS, Ethereum, DSA, OOPs, DBMS, OS

WORK EXPERIENCE

Web Developer Jun 2025 – Present
Codequeue, Mumbai | Remote
- Contributing to scalable MERN features for a mentorship platform making guidance accessible & personal .
- Integrating REST APIs to enhance platform functionality while collaborating in a remote team.

Data Science Intern Jun 2025 – Present
Celebal Technologies, Jaipur | Remote
- Creating ML models with 80% accuracy on large datasets to solve real business problems.
- Automated data preprocessing reducing manual effort and accelarting project delivery.

Research Intern May 2025 – Present
NIT Durgapur | AI4ICPS IHub, IIT Kharagpur | On-site
- Developed an Edge AI system for air and noise pollution with 90%+ accuracy and real-time alerts.
- Improved BLE communication protocols, cutting data transfer delays by 30% for multi-sensor setups.

PROJECTS

Sugarcane Disease Detection (GitHub)
CNN-based ensemble deep learning model using TensorFlow/Keras to classify sugarcane leaf diseases.

Nyvex (Live)
Decentralized startup funding platform using NFT-based investment proof and cross-chain SIPs.
1st Runner-Up at Aarohan, NIT Durgapur.

VedVaani (Live)
AI-powered Hindu wisdom QA app with multilingual support, journaling, and LLM-based search.

CredVault (GitHub)
ZKP-based credential verification using AI for authentication and dNFTs for privacy-preserving credential storage.

ACHIEVEMENTS

- Global Rank 213 / 75,000+ in CodeChef SnackDown — Top 0.3%.
- Winner, Best Build on Avalanche @ Hack4Bengal 3.0, Deco.cx - HTMX Edition
- Finalist, Frosthacks 1 (Academy of Technology), TechGig Code Gladiators 2024, Myntra WeForShe 2023
- 2nd place, Wildlife Track @Statuscode 1 (IIIT Kalyani)
- Rank 1, DevSculpt (Institute-Level Hackathon).

LEADERSHIP & PUBLICATIONS

- Core Team, Hack4Bengal 4.0 — Leading web team for Eastern India's largest hackathon. (Live)
- Mentor, GSSoC 2024 — Reviewed PRs, guided contributors in open source development.
- Publication: *"An Intelligent Disaster Management System"*, ISAAC 2025 (Paper ID: ISACC2025-894) - A framework using AI and IoT for real time disaster prediction and optimized emergency response.