

APURVE KARANWAL

Full stack | web3 | AI/ML | Embedded Systems

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KIET Group of Institutions

<https://apurvekaranwal.github.io/Portfolio/>

ABOUT ME

I am building my skills across Blockchain, AI/ML, and software development, with hands-on learning in Solidity, Python, and machine learning concepts. Alongside this, I have basic experience with electronics projects that helped me understand how real-world data and systems work. My goal is to create smart, secure, and practical solutions by combining decentralized technologies with intelligent software and physical systems.

EDUCATION

LITTLE ANGELS SCHOOL

2009 - 2024

Scored 95.5 in X and 83.8 in XII. Learned Electronics and basic Python.

KIET GROUP OF INSTITUTIONS

2025 - 2029

Currently pursuing B.Tech in Information Technology from KIET Group of Institutions

LANGUAGES

- Solidity
- Python
- Java Script
- C Programming language
- React
- Databases (SQL and No-SQL)

WORK EXPERIENCE

Ambassador at Hela-Labs

2026 - NOW

I am a Ambassador at Hela, where I actively participate in Web3 and blockchain-focused initiatives and help expand the community by sharing technical learning resources and project opportunities. Through this role, I stay connected with the latest developments in decentralized technologies while improving my communication and leadership skills within the tech ecosystem.

PROJECTS

PNGProtect

PNGProtect: Enterprise-grade image security platform combining adversarial AI (AI Shield) to prevent unauthorized model training, invisible cryptographic watermarking, forensic tamper detection, and metadata management, with blockchain-based ownership registry for decentralized verification. Built using Python, PyTorch, FastAPI, OpenCV, and Web3 technologies for secure, scalable, and practical digital asset protection.

Sentia

Intelligent Video Analysis System: AI-powered platform analyzing behavioral insights from short YouTube videos in Hindi and English, including emotion detection, action recognition, demographic analysis, and attribute detection, with strict ethical safeguards. Built using Python, OpenCV, Flask, and Pandas for real-time processing, structured CSV reporting, and privacy-preserving research-grade analysis.

SOCIALS

- <https://www.linkedin.com/in/apurvekaranwal>
- https://x.com/Apurve_Karanwal
- <https://github.com/ApurveKaranwal>
- <https://apurvekaranwal.github.io/Portfolio/>