

Vardan Agarwal

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EDUCATION

Manipal University Jaipur

B.Tech in Computer and Communication Engineering

2022 - 2026

Current GPA-8.00

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Database Management System, Computer Networks, Operating Systems, Artificial Intelligence and Machine Learning

EXPERIENCE

Ecosystem Growth & Developer Initiatives

DappLooker, Loky AI, The Graph India, CrossFi India

Aug 2024 – Present

Remote Based

- Built full-stack web apps with **MERN/Next.js** for AI/ML-powered ecosystem tools.
- Enhanced **Loky AI**, a crypto AI agent, by creating a terminal UI and integrating **Web3 APIs** for on-chain analytics.
- Developed ETL pipelines and scripts using **Python** and **Node.js** for blockchain/DeFi data.
- Implemented **semantic search** with vector embeddings for AI-driven query responses.
- Contributed to cross-platform tools and dashboards for DappLooker, The Graph India, and CrossFi India.

Leadership and Campus Initiatives

Polygon Guild Jaipur, GDSC, SCCE, Coding Ninjas, HackerEarth, Coding Blocks

Aug 2023 – May 2025

Manipal University, JPR

- Organized blockchain hackathons and workshops at Polygon Guild Jaipur, integrating AI/ML for hands-on student learning.
- Led GDSC and SCCE design initiatives, mentoring students in graphics and tech fundamentals.
- Served as Campus Ambassador for Coding Ninjas, HackerEarth, and Coding Blocks, running AI/ML-focused coding workshops and hackathons.

PROJECTS

TheZapCoin | Solana, Anchor, TypeScript, TailwindCSS, Vite

[Website](#)

- Built a decentralized cryptocurrency on **Solana** with **Anchor**-based smart contracts.
- Developed a responsive frontend using **TypeScript**, **TailwindCSS**, and **Vite** to interact with on-chain data.
- Implemented token transactions, wallet connections, and deployed the dApp on **Netlify**.

OtakuVerse | Solana, Anchor, Node.js, React, TailwindCSS, Vercel

[Website](#)

- Developed a Web3 platform for anime fans with **Solana** smart contracts using the **Anchor** framework.
- Built a responsive frontend with **React** and **TailwindCSS** for seamless blockchain interactions.
- Implemented backend services with **Node.js** and deployed the full-stack dApp on **Vercel**.

Loky AI | ReactJS, Node.js, Web3, Solidity

[Website](#)

- Built a responsive web interface with **ReactJS** for interacting with **Loky AI**, a crypto AI agent.
- Integrated **Web3 APIs** and **Solidity** smart contracts to enable real-time on-chain analytics and AI-powered insights.
- Developed backend logic with **Node.js** to process AI queries and interact with blockchain data efficiently.

SKILLS

Languages: JavaScript, TypeScript, Python, Solidity, C/C++, SQL(MySQL)

Frameworks/Libraries: ReactJS, Next.js, Node.js, TailwindCSS

Developer Tools: Git, GitHub, VS Code, Google Colab, Jupyter Notebook, MongoDB, Foundry, Remix, Hardhat, Anchor

Technical Skills: Full-Stack Development, Smart Contracts, Blockchain Integration, Data Structure and Algorithms

Design & Productivity Tools: Figma, Spline, Framer, Notion, Canva

PUBLICATIONS

AgroSentinel: A Smart Device for Crop Disease Detection and Wildlife Interference Recognition

Indian Patent 202411092995A, filed June 06, 2025, and published June 20, 2025.

Smart Classroom System with Phone Lock, Automated Attendance, and Real-Time Analytics.

Indian Patent 202511054231A, filed November 27, 2024, and published January 3, 2025.