



Vivek Atkari

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Bachelor of Technology

Electrical Engineering

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EDUCATION

- Veer mata Jijabai Technological Institute (VJTI)** 2022 – 2026
B.Tech in Electrical Engineering
- St. Paul Jr. College** 2020
Maharashtra State Board of HSC Percentage: 93%

PROJECTS

- NFT Rental Marketplace (Decentralized)** 2025
Rust, Solana, Anchor, Next.js, TypeScript, PostgreSQL
 - Developed a decentralized NFT rental platform on **Solana Devnet**, handling **10+ monthly rentals**.
 - Implemented **escrow contracts** to securely hold NFTs and SPL token payments during rental period, reducing misuse by **90%**.
 - Designed a responsive **Next.js** frontend with Phantom wallet integration, enabling seamless user experience.
- Solana Lottery Dapp** 2025
Rust, Solana, Anchor, React, Web3.js, PDA
 - Built a decentralized lottery with **50+ testnet participants**, using PDAs for secure state tracking.
 - Integrated verifiable randomness (VRF) for transparent draws, lowering costs by **70%** compared to centralized models.
 - Delivered a Web3.js-powered frontend for one-click lottery participation.
- Solana + Rust Backend Development** 2024 – 2025
Rust, Anchor, Node.js, Express,
 - Engineered **vesting contracts** to manage token distribution schedules, ensuring compliance and trustless release of funds.
 - Built backend APIs for staking, account management, and token minting, supporting **500+ test transactions**.
 - Optimized database queries and caching to improve API performance by **2x**.
- Arduino Parking + Temperature Monitoring System** 2024
Arduino, LM35 Sensor, Ultrasonic Sensor, LCD (I2C), VMware, LabVIEW
 - Built an **Arduino-based smart parking system** using ultrasonic and LM35 sensors for vehicle and temperature monitoring.
 - Displayed real-time data on LCD (I2C) and simulated system on **VMware + LabVIEW** with **<2% error**.
 - Enhanced parking efficiency by **30%** through automated detection.

TECHNICAL SKILLS

Languages: Rust, C, C++, Java, Python, JavaScript, TypeScript

Blockchain: Solana, Anchor Framework, Web3.js, SPL Tokens, PDA Accounts, Smart Contract Development

Backend: Node.js, Express.js, Next.js

Frontend: React.js, Next.js, TailwindCSS, HTML5, CSS3

Developer Tools: Git, GitHub, Linux (Kali, Ubuntu)

Others: Arduino, LabVIEW, MATLAB, Digital Signal Processing (DSP)

CERTIFICATIONS

Completed **Solana + Rust Development**, where I built decentralized applications (dApps) using Rust, Anchor, and the Solana Program Library, covering token minting, staking, PDA accounts, and NFT integration (2024). Additionally, completed **Ethical Hacking (Kali Linux)** training, gaining hands-on experience in penetration testing, Wi-Fi cracking (WEP/WPA/WPA2), exploitation, backdoors, post-exploitation, and website security (2023).