



Muley Atharva Jayprakash
UG (V Year I Semester)
B.Tech. (Electronics & Communication Engineering)
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Registration No: 21116062/2026



Area of Interest
Smart Contract Development, Backend Development, DSA, OOPs

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
4th	4th Year	Indian Institute of Technology, Roorkee	6.788
2021	Intermediate (Class XII)	Sanjay Ghodawat University, Kolhapur, Maharashtra	91.83 %
2019	Matriculate (Class X)	St Patricks School, Pune, Maharashtra	91.60 %

- Projects**
- BTC Vesting Contract** | Blocksoc, IIT Roorkee July 2025 - August 2025
- Built end-to-end time locked BTC vesting smart contract on Citreus testnet - an EVM ZK rollup on Bitcoin
 - Developed an ERC-721 based vesting contract where each NFT represents a unique token vesting position
 - Implemented security measures to avoid Reentrancy attacks, Unauthorized Access and Premature Withdrawal
 - Built a react interface with ethersjs based smart contract integration for users to create and unlock positions
 - Implemented React UI to display a dashboards with details of all positions owned by the connected wallet
 - Tech Stack: Solidity, Foundry, React, Ethersjs
- GoodMaps** | ETH Global, New Delhi September 2025
- GoodMaps is a crowdsourced location review system leveraging ZK-proofs for location verification
 - Built a React-based map interface using Leaflet library to render review labels from fetched JSON data
 - Designed dynamic relabels with zoom awareness, adaptive font size, color, and z-index based on strength
 - Tech Stack: Reactjs, Javascript, Leaflet - OSM React Library
- Phillip Reward Token** | Take Home Assignment November 2025
- Built a Dapp that issues ERC20 Reward Tokens to users and allows transfers through a web interface
 - Implemented a pausable, ownable ERC20 smart contract with permit function and deployed on Sepolia Testnet
 - Implemented React based user interface and ethersjs based wallet connection, and smart contract interaction
 - Tech Stack: Solidity, Foundry, React, Ethersjs
- BetsAndStreaks** | Etherlink Summer Of Code July 2025 - August 2025
- Built full-stack Rock-Paper-Scissors (RPS) betting dApp that incentivizes win streaks
 - Implemented on-chain escrow settlements in Solidity for secure, automated payouts
 - Added commitreveal logic in smart contracts to prevent front-running and guarantee fair play
 - Developed NFT reward contracts for five-win streaks and automated USDC payouts for winners
 - Tech Stack: Solidity, Javascript, Viem, Foundry
- Gasless Swapper - Account Abstraction** | Self Project June 2025 - August 2025
- Developed a custom SwapRouter enabling gasless token swaps between any two ERC-20 tokens
 - Implemented a ERC-4337 Paymaster to sponsor gas exclusively for transactions coming from SwapRouter
 - Implemented a minimal ERC-4337 Smart Account with ECDSA signature validation and controlled execution via EntryPoint
 - Tech Stack: Solidity, Foundry
- Nft-Marketplace** | Self Project April 2025 - May 2025
- Built a NFT Marketplace in Solidity enabling users to list, update, cancel, and purchase NFTs securely
 - Achieved 100% test coverage using Foundry, validating listing creation, cancellation, updates, and purchases
 - Tracked gas costs with snapshots for create, update, cancel, and purchase operations
 - Tech Stack: Solidity, Foundry

Awards / Scholarships / Academic Achievements

- Secured AIR 3689 | JEE Advanced 2021
- Secured Rank 159 | MHT-CET 2021 | PCM

Skills

Computer languages	Solidity, Javascript, C++
Software Packages	Git/GitHub , Visual Studio Code, Foundry
Additional Courses	Data Structures and Algorithms, Object Oriented Programming

Positions of Responsibility & Extra Curriculars

Additional Secretary | Choreography and Dance Section, IITR August 2024 - Present

- Administered the Operations, Management and Social Media promotions of the college dance crew of 50+ members
- Coordinated the final performance to compete with 23 IITs, secured 1st position in dance arts at Inter IIT Cultural Meet 5.0