YASHODIP MORE

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EDUCATION

R. C. Patel Institute of Technology   Shirpur, Maharashtra
Bachelor of Technology in Electrical Engineering   *Nov 2022 – Present*

TECHNICAL SKILLS

Languages: C/C++, Python, Javascript, Bash, SQL, Matlab
Libraries/Frameworks : React.js, Tailwind CSS, FastAPI, Streamlit, NumPy, Pandas, Seaborn, Matplotlib, Simulink
Tools/Technologies : Git, GitHub, Linux, Postman, Jupyter Notebook, VS Code, AWS
Machine Learning: Scikit-learn, TensorFlow, Pytorch, NLTK, spaCy, OpenCV
Core Fundamentals : Data Structures & Algorithms, Operating System, Computer Networks, DBMS, System Design

EXPERIENCE

RISC-V International   Sep 2025 – Present
Open Source Developer   *Remote*
- Contributed to the development of an automated pipeline transforming RISC-V Unified Database (YAML specifications) into downstream implementations for assemblers, disassemblers, compilers, and loaders.
- Enhanced efficiency by reducing manual intervention in ISA-based component generation, minimizing errors and improving maintainability.
- Collaborated within the open-source RISC-V ecosystem, gaining hands-on experience in compiler engineering, ISA specifications, and software tooling.
- Worked under the mentorship of Paul Clarke, focusing on building sustainable foundations for processor-dependent ecosystems.

Code For GovTech (C4GT)   June 2025 – Agust 2025
Open Source Developer at C4GT   *Remote*
- designed 6+ scalable Solidity contracts for incident, auction, and work order flows, ensuring complete on-chain auditability.
- Secured 95% of KYC/identity data using Lit Protocol with wallet-gated encryption and ZK-proof-based privacy logic.
- Integrated Chainlink CCIP for seamless real-time cross-chain messaging across Ethereum, Polygon, Optimism, and Avalanche.
- implemented a modular DApp interface with Next.js, Wagmi, and Ethers.js, enhancing accessibility and feature reach by over 80%.

Annam.AI - IIT Ropar   May 2025 – July 2025
Machine Learning Intern   *Remote*
- Currently working as an Intern at Annam.AI, IIT Ropar, developing machine learning models for soil image classification
- Achieved F1-score of 1.0 on initial soil classification model and 0.9781 on advanced model for binary soil image detection
- Processed and preprocessed over 2,000 diverse soil images, improving model accuracy and robustness through data augmentation
- Collaborated on end-to-end pipeline from data cleaning to model evaluation, ensuring reproducible and well-documented code

Celebal Technologies   May 2025 – Present
Summer Intern   *Remote*
- Analyzing and preprocessing 50K+ data entries using pandas, NumPy, and SQL for internal analytics tasks.
- Crafted a CNN-based image classification model (92% accuracy) using TensorFlow/Keras for a prototype defect detection project.
- Applied 5+ machine learning algorithms to real-world datasets; optimized models for performance and interpretability.

PROJECTS

LandLedger | *Blockchain, React.js, Express.js, MongoDB*   GitHub
- Built a decentralized land registry platform ensuring secure, transparent, and tamper-proof ownership records using blockchain.
- Designed and deployed core modules for land registration, ownership verification, and transaction history tracking, improving trust and reducing fraud in property management.
- Implemented a scalable architecture with a focus on data integrity, immutability, and transparency, eliminating single points of failure and enhancing reliability.

Lumos O - Mini Linux OS | *C, Assembly, Linux, GNU Make, GCC*   GitHub
- Built Lumos O, a lightweight Linux-based mini OS with a custom kernel and RAM-based filesystem.
- Developed core OS features, including a minimal shell, process management, and custom drivers.

ACHIEVEMENTS

- **LeetCode:** Achieved a Highest rating of **1675**, solved **400+ problems**, maintained a **200+ day streak**.
- **CodeChef:** Secured a **3-Star** rating with a top rating of **1782**, ranking in the **top 6% globally**.
- **InterCollegiate Informatic and Competitive Programming Camp (IICPC):** Secured **Global Rank 121** out of **45,000+** participants in **CodeFest'25** Prelims. (Certificate)

LEADERSHIP & RESPONSIBILITIES

GeeksForGeeks   July 2024 – Present
Campus Mantri   *Remote*
- Mentored 100+ students in Data Structures and Algorithms (DSA), conducted workshops, and led coding challenges.