Yashodip More

+91 7820811636 | yashodipmore2004@gmail.com | linkedin.com/in/yashodipmore22 | github.com/yashodipmore | yashodipmore.me

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, HTML, CSS
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

PROFESSIONAL & RESEARCH EXPERIENCE

Code For GovTech (C4GT) — June 2025 – Present
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
AI Research Intern — *Remote*

- Developed AI models for waste classification using YOLOv8 and NLP, achieving 95+% accuracy in real-time detection.
- Built and integrated REST APIs using FastAPI, connecting ML outputs with frontend and database services.
- Led cross-functional collaboration among 5 team members, managing version control and reviews via GitHub.
- Deployed complete ML pipeline and web app on cloud platforms like Render Vercel, achieving 99.9% uptime during testing.
- Automated PDF generation and COe emission estimation using IPCC formulas, calculating over 500+ carbon credit values in simulations.

Celebal Technologies — May 2025 – July 2025
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.

TECHNICAL PROJECTS & RESEARCH

Motix AI | *Python, Jupyter Notebook, scikit-learn, pandas, NumPy, matplotlib, seaborn* — GitHub

- Delivered 93.13% classification accuracy by developing a machine learning model (KNN) for diagnosing 6 fault types in VFD motor.
- Simulated 6 critical fault conditions across 3 torque levels, generating 40K+ labeled data points via MATLAB/Simulink.
- Built scalable ML pipeline with 10+ engineered features, optimized using grid search and 5-fold cross-validation.

DeeFace Recognizer | *Python, OpenFace, scikit-learn, HOG, Linear SVM, OpenCV* — GitHub

- A real-time face recognition system with deep learning, achieving 95% accuracy in identifying 200+ users..
- Enhanced detection accuracy by 10% using HOG for face detection and affine transformations for alignment.

AgriWaste2Fuel | *AI-Powered Agricultural Waste Classification & Carbon Credit Estimator* — GitHub

- Spearheaded the development of an AI-driven system that classifies agricultural waste using YOLOv8 (image-based) and NLP (text-based) models to support sustainable waste-to-fuel conversion.
- Conducted in-depth research on greenhouse gas (GHG) emission factors and developed a rule-based engine to estimate CO savings and carbon credit values.

PUBLICATIONS RESEARCH PAPERS

ML-Based Fault Diagnosis for Electrical Drives with Dashboard Implementation

- Proposed a machine learning-based fault detection framework for VFD-fed motors using KNN (93.13% accuracy).
- Simulated 40K+ samples with 6 fault types using MATLAB/Simulink; engineered statistical features for real-time diagnosis.
- Developed a cloud dashboard interface for remote monitoring and maintenance alerts.

Solar-Based Motion Sensor Lighting System with Night Mode — Link

- Designed and implemented an off-grid solar lighting system using PIR and LDR sensors with ¿87% energy efficiency.
- Focused on sustainability, sensor automation, and reliable LED control for rural electrification and smart lighting.

Leadership & Responsibilities

GeeksForGeeks — July 2024 – Present
Campus Mantri — *Remote*

- Mentored 100+ students in Data Structures and Algorithms (DSA), conducted workshops, and led coding challenges.