Omar Rakhe

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OBJECTIVE

Full-stack and AI-focused developer with experience building end-to-end applications, integrating ML features, and deploying modern web systems. Seeking an internship to contribute to high-impact engineering projects and learn from real-world development environments.

EDUCATION

Bachelor of Engineering - Artificial Intelligence and Data Science　　　　　　Expected, Oct 2027
– Thadomal Shahani Engineering College, University of Mumbai, India
– CGPA: 9.105

Higher Secondary Certification　　　　　　Completed, Feb 2023
– Arya Gurukul International College, MSBSHSE, Pune
– Percentage: 76.16

PROJECTS

Markdrop | *React, Vite, Tailwind CSS, Shadcn/UI, dnd-kit, Supabase*　　　　　　Website | Code
– Architected production-grade markdown editor featuring visual drag-and-drop block builder, multi-mode editing (visual/raw/preview), and real-time preview
– Implemented cloud-native workspace with Supabase authentication, auto-sync persistence, offline-first PWA support, and mobile-responsive design for seamless cross-device editing
– Engineered markdown processing pipeline with import/export (PDF, HTML, MD), auto-save, undo/redo, and analytics (word count, reading time) for professional documentation workflows

KisaanCredit | *Flutter, React, Node.js, MongoDB, Solidity, Python, FastAPI*　　　　　　Code
– Engineered end-to-end ecosystem for India's smallholder farmers integrating AI-powered satellite data fusion and blockchain verification, digitizing carbon farming market operations
– Deployed AI-driven Digital Assessor replacing soil sampling with satellite analysis; integrated gamified mobile app with offline Hindi speech-to-text and retrieval-augmented generation chatbot
– Implemented immutable CreditLedger smart contract enabling transparent carbon credit tracking with portfolio verification dashboard for farmer data authentication

PaperSprint | *React, Node.js, Flask, MongoDB, Express, JWT, DaisyUI*　　　　　　Code
– Developed full-stack print-on-demand platform with document upload and dynamic binding configuration
– Implemented JWT-based authentication and MongoDB transaction management for secure order processing and automated delivery workflows

Replacement Calculator | *Java, Swing*　　　　　　Code
– Engineered Java desktop application with predictive maintenance algorithms for cost analysis and lifecycle optimization
– Delivered data-driven insights through Swing-based GUI with interactive visualization of maintenance cost trajectories

AWARDS AND HONOURS

VIT Hackbuild - Top 3 in Web/App domain	Aug 2025
Innovatex Hackathon - 3rd place among 65+ teams	Jul 2025
MINITHON Hackathon - Top 8 finalist among 100+ competitors	Sep 2024

CERTIFICATIONS

Building AI Agents & Agentic AI System　　　　　　Oct 2025
– Udemy
– Credential ID: UC-5d01b2ac-3b24-4a5a-8bda-1f3c91b38a53

Complete Data Science, ML, DL & NLP　　　　　　Oct 2025
– Udemy
– Credential ID: UC-3ba3fed5-1cc2-4830-874e-26fdd9f6700c

SKILLS

Languages	JavaScript, Python, C/C++, Java
Frontend	React, Vite, Tailwind CSS, Shadcn/UI
Backend	Node.js, Express, FastAPI
Databases & Storage	MongoDB, MySQL, Supabase
AI/ML	Machine Learning, Deep Learning, NLP, Transformers, scikit-learn, TensorFlow/Keras
DevOps & Tools	Git, GitHub, VS Code, Postman, Vercel, Cloudinary, JWT