Adarsh Maurya

Full-Stack AI / Blockchain Engineer

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SUMMARY

Full-stack engineer with 3 years building AI-driven web & blockchain products. Led 4 hackathon team wins and scaled an open-source project to 100+ contributors. Expert in LLM fine-tuning, Solidity smart-contracts, AWS & CI/CD.

SKILLS SUMMARY

- **Languages**: Python, JavaScript, TypeScript, C++, Solidity
- **Frameworks**: ReactJS, NextJS, React-Native, Django, FastAPI, PyTorch, Langgraph
- **Tools**: Linux, Git, GitHub, AWS, Nginx, Gunicorn, LLMs, Langchain, Python-opencv, HuggingFace
- **Database**: MySQL, PostgreSQL, Pinecone

PROJECTS

- **OrchardEyes**: An end to end Automated Apple Orchard Management system using AI, blockchain and UAV autonomous drones. Features include yield estimation, early pest infection detection, farm precision mapping etc. Tech: ReactJS, Computer Vision, opencv, yolov8, Streamlit, Django, PyTorch (Fine-Tuning), Meta llama 3.2 1b LLM, PostgreSQL, Redis, Celery   Project Link

- **AutoDoc**: An Automated official document management system using AI and Blockchain with secure storage via IPFS. Zero-Knowledge Proofs (ZKPs) for selective disclosure of document attributes like age. Tech: ReactJS, AvalancheJS, Smart-Contracts, Solidity, Hardhat, Python, LLMs, PostgreSQL   Project Link

- **CogniGuard**: A web extension for detecing dark patterns on various websites, particularly focusing on E-commerce platforms. Powered by Fine-Tuned BERT (LLM) on dark-pattern labelled textual-data. Tech: JavaScript, Python, Django, PyTorch (Fine-Tuning), HuggingFace Hub API, LLMs, Redis, Celery   Project Link

- **DecenTrade**: A decentralized digital marketplace built on the Ethereum blockchain, enabling secure and transparent transactions for digital assets. Voice Assitant powered by meta llama LLM and openai whisper. Tech: ReactJS, ethers.js Ethereum, ERC-721, Smart-Contracts, Solidity, Hardhat, Python, LLMs, PostgreSQL   Project Link

- **OptiBlogAi**: AI Agentic system that generates high-quality, SEO Optmized blog content through a multi-phase content production pipeline. By scraping top-ranked articles, generating original articles with LLMs, and a rigorous quality assessment loop. Tech: NextJS, TailwindCSS, Playwright, Gemini API, Langgraph, FastAPI, Redis   Project Link

EXPERIENCE

- **GirlScript Summer Of Code 2024 - Open Source Program**   Page Link
  Project Admin and Software Developer   *May 2024 - August 2024*
  - **Worked on project CogniGuard and deployed it on AWS and vercel. Maintained the GitHub Repository using GitHub Actions for Code Analysis and Checks.** :
  - **Guided many Open Source Contributors in their contribution journey and merged over 60+ Quality PRs.** :

- **Solve-Ease**   Page Link
  Team Leader and Software Developer   *Oct 2023 - Present*
  - **Hackathon Record**: 4 wins / 10 hackathons (IIT-D, IIM-A, IIT-KGP, SSCBS); delivered MVP in 24 hours each time.
  - **Official Website**: Architected and deployed **solveease.tech** in Next.js + Tailwind; achieved 95/100 Lighthouse (SEO, Best-Practices), 0.9 s FCP, 1.0 s LCP, and 0 CLS.

- **OnionReads**   Page Link
  Founder Part-time   *Dec 2022 - Oct 2024*
  - **WordPress Website**: Built a WordPress website using Elementor and WP Forms.
  - **SEO and Ranking** : Oversaw management of LinkedIn, Pinterest and Twitter Pages and Received 4.41K impressions with a 2.4% (CTR)

ACHIEVEMENTS

- Achieved 1st place in the Innovators Hackathon (Tryst2025) at IIT Delhi in March 2025 for Edugamix project.
- Achieved 3rd place in the Empower Hackathon at IIM Ahmedabad in March 2025 for OrchardEyes project.
- Achieved 1st place in the East India Blockchain Summit Hackathon at IIT KGP in Jan 2025 as Solve-Ease Team Leader for AutoDoc project.
- 1st Runner up in HackCBS7 Hackathon at Saheed Shukdhdev College in Nov 2024 as Solve-Ease Team Leader for OrchardEyes project.

EDUCATION

- **Keshav Mahvidyalaya University of Delhi**   Delhi, India
  Bachelor of Science - Computer Science; CGPA: 7.6   *Sep 2023 - July 2027*
  Courses: *Python, C++, Machine Learning, DBMS, Data Structures and Algorithms, Computer Networks*

- **Central Hindu Boys School BHU**   Varanasi, UP, India
  Intermediate - Score: 84.8%   *Sep 2021 - March 2023*

CERTIFICATIONS

- **Harvard CS50x**: edX – Introduction to Computer Science, 2023   Link