

LAKSHAY KHATTAR

SOFTWARE DEVELOPER

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EDUCATION

P.G.D.A.V. COLLEGE, DELHI UNIVERSITY

November 2020 – June 2023

B.Sc. Computer Science(H) (CGPA: 8.95)

Delhi, India

- **Coursework:** Software Engineering, Database Management, Object Oriented Programming, Information Security

EXPERIENCE

Software Developer Freelancer

February 2024 – Present

Visual Alpha

Remote

- Built end-to-end solutions using **PHP Laravel, TypeScript, GraphQL, Azure Foundry, Doc Intelligence**, and **AWS** for enterprise-level document processing systems.
- Engineered custom **Azure Doc Intelligence processor** for client-specific PDF data extraction, handling complex document workflows and automated data parsing.
- Fine-tuned **OCR models** including **YOLO variants, Layout Parser**, and **PaddleOCR** for specialized PDF section identification and attribute extraction, achieving high accuracy in document analysis.
- Optimized backend data flow and UI workflows based on client feedback, reducing operation times and improving user experience through streamlined processes.
- Automated legacy manual operations with modern UI implementations, resulting in **50-60% time reduction** in operational efficiency.

FullStack Web3 Developer

December 2023 – June 2025

Rivera Money & Palladium Labs

Remote

- Developed and scaled **3 Web3 products** using **Next.js, TypeScript, Wagmi, ethers.js**, and **Move** across multiple blockchain ecosystems including **Sui, Aptos, Mantle**, and **Arbitrum**.
- **Rivera**: Enhanced AI-driven liquidity management platform partnered with **16+ Web3 protocols**, managing **\$170K+ deposits** and handling cross-chain integrations.
- **Palladium**: Built Bitcoin-backed stablecoin platform from scratch using **ERC-721** infrastructure, scaling to **100K+ transactions, 40K+ users**, and achieving **\$330M testnet TVL** with gamified engagement strategies.
- **Solido**: Developed Move-based product achieving **\$700K+ mainnet TVL**, collaborating with partner teams for bug resolution and frontend optimization.
- Managed community of **35K+ active users**, integrating multiple wallets and VMs while ensuring seamless cross-chain functionality and user experience.

PROJECTS

Companion-AI | *Next.js, React, OpenAI API, PostgreSQL, Prisma, Stripe*

- * Developed a production-grade **AI-powered SaaS platform** enabling users to engage in realistic, chat-based conversations with virtual personas modeled after public figures like **Elon Musk** and **Cristiano Ronaldo**.
- * Integrated **OpenAI's GPT models** via API to generate dynamic and context-aware responses, ensuring natural conversation flow and persona consistency.
- * Implemented full-stack architecture using **Next.js** for server-side rendering and API routing, **React** for client-side interactivity, and **PostgreSQL** with **Prisma ORM** for scalable relational data management.
- * Built user **authentication and subscription management** using **Stripe** for secure payments.

ACHIEVEMENTS

- Actively involved with **NSS** and led the organization of a **free Computer Bootcamp** for underprivileged women, promoting digital literacy and empowerment.
- Active open-source contributor with **10+ repositories** contributions across various projects and technologies.
- Solved **400+ algorithmic problems** across different competitive programming platforms demonstrating strong problem-solving skills.
- **Certified Asset Management Professional Training** for managing portfolios for **10+ individual clients**, with expertise in diversified asset classes including **cryptocurrency, stocks, bonds, commodities**, and **debt instruments**.