

ADITYA SHUKLA

Mobile App Developer Cross-Platform Android & iOS

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EDUCATION

Vivekananda Global University, Jaipur, India

Jun 2023 – Present

Bachelor of Technology in Computer Science and Engineering — GPA: 9.0/10

Relevant Coursework: Data Structures & Algorithms, DBMS, OOP, Operating Systems, Computer Networks

EXPERIENCE

MuTerra Labs

Jun 2025 – Aug 2025

Software Development Intern · Blockchain / Web3

- Engineered on-chain business logic from tokenomics requirements, enabling the platform to process transactions for **5,000+ daily active users**.
- Integrated blockchain SDKs across 3+ Hive dApps (Muterra, Radiffect, Mole Miner) on a biweekly sprint cycle.
- Optimized PostgreSQL queries for complex tokenomics data, improving transaction-processing efficiency at scale.

PROJECTS

Tama — AI Companion App, LLM & Memory Backend — usetama.me

Kotlin Multiplatform · Compose Multiplatform · Android · iOS · Supabase · OpenRouter · RevenueCat · OneSignal

- Architected a cross-platform AI companion app (**Android + iOS**) with **Kotlin Multiplatform** and **Compose Multiplatform**, sharing chat state, memory assembly, sync logic, and data models across both platforms from a single codebase.
- Built **on-device** usage-pattern detection on Android (UsageStatsManager + WorkManager), computing rolling-baseline deviation locally and transmitting only derived signals - never raw logs - with an iOS fallback via BGTaskScheduler.
- Integrated **RevenueCat** for free/premium subscriptions (webhook signature verification and entitlement sync) and **OneSignal** for personalized, LLM-generated push check-ins.
- Designed a **four-layer memory system** (working, 7–14 days recent, long-term user model, episodic) assembled server-side via Supabase Edge Functions + OpenRouter, so the companion references real context across sessions.

BeatBrawls — Blockchain Music TCG — beatbrawls.com

Next.js · Node.js · REST APIs · Hive Blockchain · AWS EC2 · WebSocket

- Co-founded and shipped a blockchain music trading-card game to **4,000+ players across 15+ countries** (200+ daily active users), with a dual on-chain token economy (BEAT / BRAWL).
- Hosted backend services on AWS EC2; built three game modes, a deck builder, leaderboards, and multi-wallet support (Hive Keychain, MetaMask, Rainbow).

GitMind — AI-Powered Git History CLI (Multi-Agent) — github.com/vastavikadi/gitmind

Python · LangGraph · LangSmith · Gemini API · ChromaDB · PyPI

- Built an open-source **multi-agent CLI** (LangGraph) answering natural-language questions about Git history across **7 specialist agents**; engineered **19 custom LangChain tools** with Tree-sitter AST parsing across Python, JS, and TS.
- Added a semantic search layer over commit/PR/issue history in ChromaDB; published to PyPI as **gitmind-cli** (MIT) for one-command install.

InsightFlow — Full-Stack Analytics Platform — github.com/vastavikadi/insight-flow

Next.js · TypeScript · Node.js/Express · MongoDB · Jest

- Engineered reliable client-side analytics by intercepting History API navigation and persisting event queues, eliminating data loss during app crashes and reloads.
- Architected a scalable Node/Express + MongoDB backend delivering heatmaps, funnels, session-replay, and page-view insights, with validation and rate limiting.

TECHNICAL SKILLS

Mobile / Cross-Platform: Kotlin Multiplatform (KMP), Compose Multiplatform, Android (UsageStatsManager, WorkManager), iOS (BGTaskScheduler, DeviceActivity / Family Controls)

Languages: Kotlin, Java, Python, JavaScript, TypeScript, Go, C++, SQL

Payments / Push: RevenueCat, OneSignal, Firebase

Backend & APIs: Node.js, Express, FastAPI, Supabase Edge Functions, REST, GraphQL, Microservices

Databases & AI: PostgreSQL, MongoDB, Redis, ChromaDB, Gemini API, OpenRouter, LangGraph, LLM Integration

DevOps & Tools: GitHub Actions, Docker, Kubernetes, AWS EC2, Vercel, Git, Postman, GCP

ACHIEVEMENTS

IIT Delhi Tryst Hackathon — 1st Place

[Mar 2025](#)

Led a team to build BeatBrawls, a Web3 music gaming platform (4,000+ players) — 1st in a 36-hour hackathon.

Hack Web3Conf (Global) — Top 100 Finalist

[Dec 2024](#)

Reached the global Top 100 among thousands of competing teams.

Code Hive SinuSoid Hackathon, NIIT University — Top 5

[Nov 2024](#)

Architected LifeVault, a decentralized IPFS storage platform with blockchain-verified metadata and AES hybrid encryption.