

Akshat Bhatia

Faridabad, HR, India · +91 96509 80992 · akuaka46@gmail.com · [LinkedIn](#) · [GitHub](#)

SUMMARY

Full Stack and AI Engineer with expertise in high-impact frontend architectures and scalable backend solutions for fintech and AI-driven platforms. Drove end-to-end development of a compliance platform serving BSE, Navi, and ICICI, achieving up to 30× faster data delivery. Delivered AI automation pipelines and agentic systems improving financial data extraction accuracy to 90%+.

EXPERIENCE

OnFinance AI

Nov 2024 – Present

Full Stack Engineer · Remote

- Built the entire frontend from scratch with **Next.js**, **TypeScript**, and **Tailwind CSS**, delivering role-based dashboards and regulatory workflows that enabled compliance teams to process cases **30% faster**; collaborated with CTO to define layered service architecture (UI → Business Logic → Schema → Database).
- Optimized analytics APIs on **1m+ MongoDB records** via multi-stage aggregation pipelines (\$lookup, \$graphLookup, \$unwind) and cursor-based pagination — cutting dashboard response times from **4.5–6 min to 5-15 sec** (up to **30× improvement**).
- Migrated AI agent architecture from MCP-based tool system to Deep Agents framework with skill-based routing, reducing deployment time by **70%** and consolidating **47 specialized tools into 8 reusable sub-agents** across 4 domains.
- Partnered with the executive team to secure a **\$4.2M pre-Series A round** from PeakXV Partners.

Wokelo AI

Feb 2024 – Jul 2024

Backend Engineering Intern · Remote

- Built backend pipelines with **FastAPI** and **Python** that extracted structured financial data from PDFs using computer-vision and NLP models, enabling automated analysis of research documents.
- Improved LinkedIn profile validation accuracy from **~20% to 90%+** by developing rule-based and ML-assisted validation logic.
- Fine-tuned **Meta LLaMA-3** models to improve internal AI automation workflows; built document generation pipelines producing DOCX and PPTX reports from structured JSON inputs.

SELECTED CONSULTING ENGAGEMENTS

Confidential U.S. Client — AI Systems / Full Stack Consultant

Real-time AI Compliance Platform · Full Stack, Backend & Infrastructure

- Co-built an AI agent compliance validation platform MVP in **10 days** — covering regulation ingestion, reviewer workflows, real-time violation surfacing, and PDF audit reporting across a **FastAPI + React + Qdrant + Docker** stack.
- Architected a multi-stage regulation ingestion pipeline: **Mistral OCR** → **section reconstruction** → **GPT semantic chunking** → **knowledge-graph triple/ENM extraction** → **Qdrant vector indexing**; constrained LLM usage to ingestion and report generation only, keeping runtime evaluation deterministic and sub-second.
- Built the **FastAPI REST + WebSocket API layer** — session management, turn ingestion, real-time flag streaming.
- Built auditable reporting workflows with evidence grounding, transcript replay, and exportable compliance reports.
- Delivered **React + TypeScript** reviewer dashboards: per-turn flag triage with cited regulatory evidence, violation annotation, transcript replay, and one-click audit export.

PROJECTS

LexiKing lexiking.akshat-bhatia.com

TanStack Start · TypeScript · Convex · Gemini Flash

- AI-powered vocabulary tracker with spaced repetition; replaced FastAPI + MongoDB + WebSocket with Convex's reactive database, eliminating backend infrastructure and reducing server-side code by **~60%**.
- Integrated Gemini Flash for word enrichment and adaptive quiz generation; TanStack Start provides full-stack type-safe routing, eliminating page-level waterfall fetches.

Open Source Contribution [Supabase](#)

- Updated the X (formerly Twitter) logo across Supabase documentation and website; resolved dark-mode logo display issues to improve user experience.

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML/CSS, Vite, TanStack

Backend: FastAPI, Flask, Node.js, REST APIs, WebSocket, MongoDB, SQLite, Qdrant

Data & AI: LLM Fine-tuning, NLP, Computer Vision, Vector Search, Knowledge Graphs, Pandas, NumPy

Tools: Git, Docker, Prisma, Jupyter, VS Code, Cursor, Claude Code, Codex, LangGraph, LangChain, RabbitMQ

EDUCATION

JC Bose University of Science and Technology

Bachelor of Technology · GPA: 8.586

Aug 2018 – May 2022