

# Mubin Attar

AI/ML ENGINEER · GENAI · LLMS · MLOPS

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## SUMMARY

AI/ML Engineer shipping production software since 2022 and production AI since 2024 — GenAI/LLM applications, agentic and RAG systems, predictive ML, and healthcare-AI automation. Four AI products shipped to production and kept live, each measured rather than demoed. Fluent across the stack (FastAPI, Next.js, PostgreSQL, Docker) with auth, CI/CD, and security hardening baked in.

## TECHNICAL SKILLS

|                  |                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------|
| Languages        | Python, JavaScript / TypeScript, SQL                                                                                |
| GenAI / LLM      | LangChain, LangGraph, RAG, pgvector, prompt engineering, agents, multi-provider routing (Gemini, GPT, Claude, Groq) |
| Machine Learning | scikit-learn, XGBoost, neural networks, pandas, NumPy, model training & evaluation                                  |
| Backend          | FastAPI, Django / DRF, SQLAlchemy, REST APIs, async, Argon2 auth, Playwright & Selenium automation                  |
| Frontend         | Next.js, React, TypeScript, Tailwind CSS                                                                            |
| Data / DevOps    | PostgreSQL, SQL Server, Redis, Docker, AWS, GitHub Actions (CI/CD), ETL, Vercel, Hugging Face                       |
| Practices        | MLOps, testing (pytest), OOP, DSA, secure API design, observability                                                 |

## EXPERIENCE

Sevina Technologies — AI/ML Engineer Ahmedabad · 2024 – present

- Build and ship production AI & automation systems for healthcare — end-to-end pipelines (Python, Playwright, Selenium) that extract, validate, and synchronize clinical, resident, and demographic data into SQL Server, with logging, reconciliation, and error recovery.
- Developed an AI clinical decision-support platform that turns CMS MDS assessments into interactive dashboards, compliance findings, and reimbursement insights (HIPPS/PDPM) for skilled-nursing facilities via automated PDF extraction and deterministic, guideline-aligned rules.
- Built Generative AI applications — LLM document-analysis assistants with multi-provider routing (OpenAI, Claude, Gemini), RAG, and validated structured output — plus a FastAPI eligibility-verification service with async batch processing, Dockerized deploys, and CI/CD.

Linescripts Software Pvt Ltd — Junior Python Developer Pune · 2022 – 2024

- Delivered end-to-end web applications — including a Hospital Management System and e-commerce platforms — with Python, Django & DRF, and responsive HTML5/CSS3/JavaScript/Bootstrap frontends.
- Built RESTful APIs and backend services, integrated third-party APIs, and collaborated cross-functionally on requirements, design, and testing.

## FEATURED PROJECTS — ALL LIVE & OPEN-SOURCE

DBWhisper live · github

Natural-language-to-SQL agent — LangGraph pipeline, schema-aware pgvector retrieval, multi-LLM fallback, and a fail-closed read-only safety layer.  
73% Spider dev · 82% golden-set exact · 100% fail-closed · FastAPI · LangGraph · Next.js

TradePulse live · github

Quant backtesting platform engineered so common backtest lies are structurally impossible — look-ahead-free by construction, costs-on-by-default, Decimal money, grounded AI copilot.  
Look-ahead canary + cash-conservation tests green · FastAPI · Next.js · TimescaleDB · Redis

CrownWager live · github

Sports-betting analytics & ML predictions — +EV best bets, a validated XGBoost model, cross-book arbitrage finder, and a graded, verifiable track record.  
65.2% ± 0.8% XGBoost accuracy (5-fold CV) · Django/DRF · FastAPI · Next.js

LLM Studio live · github

Multi-user, ChatGPT-style AI chat SaaS — Argon2id auth, per-user tenancy, token streaming, OpenAI-compatible multi-LLM routing, and a shared-key daily quota.  
Per-user tenancy · 31 tests · live on HF + Neon · FastAPI · Postgres · Docker · CI

## EDUCATION

Master of Computer Applications (MCA) — Savitribai Phule University of Pune 2021 · CGPA 8.0