

# Abdellah Shafi

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🌐 [abdellah-shafi.dev](http://abdellah-shafi.dev) | 🌐 [github.com/ActualLearner](https://github.com/ActualLearner)

## PROFILE

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Backend Developer and third-year CS student shipping production-grade Django backends. Comfortable across the full backend stack including PostgreSQL, Docker, and CI/CD pipelines. Have built RAG applications and explored LLM evaluation methods. Currently in A2SV, strengthening algorithmic foundations to go deeper into AI and ML systems.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, SQL

**Frameworks & Libraries:** Django, Django REST Framework, React, LangChain, GraphQL

**Databases:** PostgreSQL, Pgvector, SQLite, Redis

**Tools:** Docker, Git, GitHub Actions (CI/CD), Linux, Postman, nvim

## PROJECTS

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**NBE Navigator** | *Django, LangChain, pgvector, Docker*

[🌐 Code](#) | [🌐 Live Site](#)

- Built a 3-stage ETL pipeline that extracts NBE directive PDFs into Markdown, chunks the text, embeds it via Google Gemini, and loads it into pgvector for retrieval.
- Set up a history-aware retriever so follow-up questions resolve correctly instead of ignoring prior context.
- Runs on \$0 by using Groq for inference and Google Gemini for embeddings.

**EvalBoard** | *Django, React, httpx, Docker*

[🌐 Code](#) | [🌐 Live Site](#)

- Built a single-turn evaluation tool that takes a dataset, renders each entry through a prompt template, calls the LLM, and scores the response against the ideal answer, storing per-row latency and score.
- Set up analytics dashboard showing score trends, latency, and pass/fail distribution across all test runs.
- Implemented a privacy-aware BYOK feature, where API keys are stored in the browser, sent as a request header, and never written to the database.

**Virtual Blood Bank (VBB)** | *Django, DRF, Docker, PostgreSQL, GitHub Actions*

[🌐 Code](#)

- Wrote a formal SRS after interviewing the technical head at the National Blood Bank & Tissue Service.
- Collaborative prototype of a REST API for Ethiopian healthcare workers to manage blood inventory and donation requests across facilities, with a CI pipeline running tests on every push.

**E-Commerce REST API** | *DRF, Docker, PostgreSQL, Chapa*

[🌐 Code](#) | [🌐 Live Site](#)

- Scalable shopping platform API with authentication, product management, order processing, and Chapa payment gateway integration; containerized and deployed to a live host.

## EDUCATION

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**Addis Ababa University**

*Oct 2023 – Present*

B.Sc. Computer Science — CGPA: 3.5

**A2SV — Africa to Silicon Valley**

*Feb 2026 – Present*

Data Structures & Algorithms Training (G7)

**IBM SkillsBuild — Artificial Intelligence Fundamentals**

*2026*

**Credly Badge** — AI/ML Concepts, AI Ethics, Deep learning Fundamentals

**ALX ProDev Backend Engineering**

*Jun – Oct 2025*

**Certificate** — Django, Docker, GraphQL, Redis, CI/CD