



MUHAMMAD SUDAIS

AI Engineer
Agentic AI · LLM Applications
RAG Systems

CONTACT

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EDUCATION

BS Artificial Intelligence
Shifa Tameer-e-Millat University, Malakand
Sept 2024 – June 2028

CGPA 3.12 / 4.0

CORE SKILLS

Languages & Core
Python, Java, JavaScript, TypeScript, SQL, PHP

AI Engineering
RAG & LLM Integration, AI Agents, TrOCR, Prompt Design

Data & ML
pandas, NumPy, scikit-learn, Matplotlib, Naive Bayes, TF-IDF

Web & Full-Stack
Next.js, React, Node.js, Express.js, FastAPI, MongoDB, Prisma, REST APIs

Tools & Platforms
Git & GitHub, Linux (Ubuntu), Jupyter, VS Code, Google Colab, Vercel, Railway

LANGUAGES

Urdu — Native
English — Professional
Pashto — Native

PORTFOLIO

muhammad-sudaïs-portfolio-817.netlify.app

PROFESSIONAL PROFILE

AI engineer who treats retrieval, verification, and memory as built-in parts of every serious system, not extras bolted on later. Has shipped a hybrid-RAG compliance copilot, a self-correcting desktop agent, and conversational analytics that turn plain questions into fully cited answers. Grounded in real machine learning — scikit-learn models, careful feature work, honest evaluation — with the frontend craft to put every build in front of its users. Fluent in Next.js and FastAPI; every system ships deployable, auditable, and candid about its limits.

PROJECTS

Nexus Data AI — Conversational Data-Analysis Platform

Full-Stack AI Developer · Personal Project · 2026

- A conversational data-analysis platform: upload a CSV, Excel, JSON, or SQLite file and ask in plain English — the data is profiled the moment it lands.
- Real pandas runs stream the answers live, outlier and missing-value checks run by default, and every session exports charts, PDF, PPTX, and notebook reports.

Live: [nexus-data-ai.netlify.app](#)

Stack: Next.js, FastAPI, pandas, Python, SSE — Netlify

TradeReady AI — Evidence-Backed Trade Compliance Copilot

Full-Stack AI Developer · Personal Project · 2026

- A compliance copilot for import and export work: a hybrid RAG engine — SQLite FTS5 keyword search fused with semantic retrieval and cross-encoder reranking — grounds every answer in exact, citable evidence.
- TrOCR reads invoices, packing lists, and bills of lading directly, while a fault-tolerant local-embedding queue keeps everything running — with zero paid AI APIs.

Live: [tradereadyai-production.up.railway.app](#)

Stack: Next.js, React, TypeScript, Prisma, SQLite, FTS5, Transformers — Railway

JARVIS-X — Intelligent Desktop Automation Agent

AI Engineering Developer · Personal Project · 2026 – Present

- A self-correcting automation agent for Windows: every task moves through planning, execution, verification, and recovery — and every failure teaches it.
- Persistent memory keeps lessons and winning strategies across restarts; permission policies, protected paths, and audit logging ship as standard.

Stack: Python, Windows Automation APIs, PowerShell, Persistent Memory System

Spam Email Detection

ML Developer · Independent Project · 2025

- A spam filter built in Python: Naive Bayes with TF-IDF reaches 96%+ accuracy on real email data through a clean tokenization, stop-word removal, and stemming pipeline.
- Measured the honest way — full confusion matrix with precision and recall, not just a headline score.

Budget & Expense Tracker

Full-Stack Developer · University Project · Sept – Nov 2025

- A personal-finance manager in PHP and MySQL: it records income and expenses through full CRUD, live validation, and interactive spending charts — with a warning before a budget is crossed.

Live Weather Tracker & Quote Scraper

Python Developer · Personal Project · 2025

- A live weather app on the OpenWeatherMap API that auto-saves results and handles errors gracefully.
- A polite quote scraper built on BeautifulSoup with clean UTF-8 output — both run unattended without breaking.

Personal Portfolio Website — Evidence-First AI Showcase

Full-Stack Developer · Personal Brand · 2026

- A hand-built Next.js 15 + React 19 portfolio where every claim can be checked: project pages carry live links, real screenshots, and auto-generated social cards.
- A truth-audit script compares what the site says with what the code does — the brand only shows what is provably real.
- Live: <https://muhammad-sudaïs-portfolio-817.netlify.app>

CERTIFICATIONS

Machine Learning Specialization — DeepLearning.AI & Stanford Online · Coursera

Supervised Machine Learning: Regression and Classification — DeepLearning.AI · Coursera

Advanced Learning Algorithms — DeepLearning.AI · Coursera

Unsupervised Learning, Recommenders & Reinforcement Learning — DeepLearning.AI · Coursera

Programming for Everybody (Getting Started with Python) — University of Michigan · Coursera

AVAILABILITY

Open to AI-agentic & full-stack builds — freelance projects, applied automation, and hands-on AI engineering — remote or Islamabad-based.