

Huzaifa Faran

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Profile

AI systems engineer building production-grade RAG, ML, and agentic systems. Architect of Kinlu (Level 3 Agentic System for Automated Marketing ML) and Zabito AI (Multilingual Legal RAG). Specializing in full-stack AI deployment, model orchestration, and scalable system design.

Core Expertise

- Retrieval Augmented Generation (RAG) Systems
- Agentic AI Workflow Design
- ML Pipeline Engineering & Cross-Validation
- Feature Engineering & Data Leakage Prevention
- Full-Stack AI Deployment
- SaaS Architecture & Credit-Based Monetization
- System Design & API Orchestration

Tech Stack

- Python (FastAPI, Flask), TypeScript
- React, TailwindCSS
- Supabase, PostgreSQL
- Pinecone, Vector Embeddings
- OpenAI APIs, Whisper
- Shopify GraphQL
- n8n Automation
- Fly.io, Vercel

EXPERIENCE

Nyrix AI

Lead Solutions Architect • Karachi, Pakistan

04/2025 - Present

Driving AI-first platform strategy by translating business goals into scalable, production-grade systems.

- Own end-to-end technical and business architecture, making core decisions on system design, tooling, and long-term platform direction for AI-driven SaaS products.
- Design and ship agentic AI engines that convert complex business problems into intelligent, automated workflows across analytics, decisioning, and reporting.
- Lead and mentor engineers across frontend, backend, and AI pipelines, setting standards for scalability, security, and production reliability.
- Architected and delivered Veeko, a live Shopify app enabling merchants to:
 - Automatically assess order risk using hybrid AI + rule-based detection
 - Query store data via natural-language AI assistant

- Monitor real-time operational analytics
- Receive automated daily performance reports

<https://veeko.io/>

- Serve as the primary technical bridge between clients, stakeholders, and engineering, ensuring solutions directly support revenue, growth, and operational outcomes.
- Own platform-wide concerns including multi-tenant scalability, AI agent orchestration, GDPR/CCPA compliance, and security-first system architecture.

SYSTEMS BUILT

1. Kinlu – Autonomous Marketing Intelligence Platform

- Built agentic ML platform that automatically trains churn, CLV, and lead scoring models from CSV or Shopify data.
- Implemented automated feature engineering, leakage detection, and cross-validation pipeline.
- Designed credit-based SaaS architecture using Supabase and FastAPI.
- Reduced model deployment time from weeks to minutes.
- Built full-stack React + Tailwind dashboard with production deployment.

2. Zabito AI – Multilingual Legal RAG System (Sindh Law)

- Designed multilingual RAG pipeline supporting Urdu and Sindhi.
- Implemented OCR ingestion, vector embeddings, Pinecone indexing.
- Built voice input/output system with language detection prioritizing Urdu.
- Designed Supabase Edge Functions for secure retrieval.
- Created guardrails to reduce hallucination in legal responses.

3. Veeko (Shopify AI Assistant)

- Built AI-based order risk scoring engine using hybrid rule + LLM scoring.
- Integrated WhatsApp automation using Twilio proxy architecture.
- Implemented real-time GraphQL querying for store analytics.
- Automated 3-tier daily business intelligence reports.

SELECTED ENGINEERING PROJECTS

AstroDiet — AI Nutrition Planner

- Built AI-powered diet recommendation engine using LLM API
- Designed real-time plan generation and structured nutritional output
- Implemented Flask backend for API orchestration

BookHaze — Library Management System

- Designed Flask + Oracle SQL system with optimized indexing
- Improved query execution speed by 40%
- Implemented automated triggers reducing manual operations

Education

National University of Computer and Emerging Sciences

Software Engineering • Karachi, Sindh

06/2026

- **Dean's List** in Fall 2022, Spring 2023, and Fall 2025
- Achieved highest semester SGPA of **3.93** in Fall 2025
- Served as **President** of the **Association of Computing Machinery Software Wing** leading 200 plus members
- Served as **President** of The Literary Club in 2025 and led multiple flagship events with combined participants over **5000**.

- Directed the Public Speaking House English division
- Led Media and Promotions for **DevDay**, **Procom**, **Fast Data Science Society**, and **Character Building Society**
- Hosted and emceed 10 plus major university events including Procom 2024 and Developers Day 2025
- Organized FAST's first international debate competition FASTIV featuring teams from 5 plus countries
- Won Intra FAST Declamation Competition twice
- Won the Agha Hasan Abedi Declamation Competition
- Served as adjudicator for **Ziauddin University Debating Championship**
- Developed **Zabito AI** as Final Year Project, a **multilingual AI legal advisor** for Sindh focused on property, tenancy, and succession law

Certifications

Google Soft Skills Program

- PAFLA - Pakistan Freelancers Association powered by Google
- Issued Jul 2024
- Expires Jul 2027
- Credential ID: This certificate was issued to PAFLA member 8016652586836846

[Agile Project Management](#)

- [Issued Oct 2024](#)
- [Credential ID 2c7332c5-1868-41ed-81eb-e02eda06c5ae](#)