

AWAIS IMTIAZ

AI Engineer & Odoo Developer

Lahore, Pakistan | +92 326 1311726 | awaisimtiaz710@gmail.com | [linkedin.com/in/awais-imtiaz710](https://www.linkedin.com/in/awais-imtiaz710) | awais-imtiaz.dev | github.com/AwaisImtiaz-541

PROFESSIONAL SUMMARY

AI Engineer and Odoo Developer specializing in bridging large language models with enterprise ERP systems. Experienced in architecting production RAG pipelines, fine-tuning LLMs on domain-specific data, and delivering secure, large-scale Odoo integrations spanning banking, real estate, and lead-generation workflows for a global client portfolio.

WORK EXPERIENCE

AI Engineer — RAG & Fine-Tuning

2026 – Present

Freelance / Contract · Lahore, Pakistan

- **RAG Pipeline Architecture:** Architected a production-ready Retrieval-Augmented Generation (RAG) pipeline using LangChain, connected directly to a live Odoo 19 production database.
- **LLM Fine-Tuning:** Fine-tuned Qwen2.5 Coder on a custom dataset built from Odoo 16–19 source code and thousands of community-developed modules from the Odoo App Store to improve domain-specific accuracy.
- **Vector Search:** Integrated vector embedding search to enable real-time retrieval across the enterprise knowledge base.
- **AI Assistant Delivery:** Delivered an AI assistant enabling natural-language queries over daily operational data, such as employee attendance and resource allocation.

Indexworld — Odoo Developer

Jun 2025 – Jun 2026

Lahore, Pakistan

- **Project Execution:** Managing end-to-end delivery for a portfolio of 10–15 concurrent live Odoo ERP projects, ensuring stable and scalable solutions across a global client base.
- **Banking Integration:** Led a secure integration with Bank of New Zealand (BNZ) — independently acquired SSL certificates and API credentials, then integrated BNZ's APIs into Odoo for automated financial data sync.
- **Real Estate Connector:** Built the “Funda Connector,” an ETL system using Apify to scrape real estate listings and sync structured data directly into Odoo modules.
- **Lead Generation Pipeline:** Developed a B2B lead-generation workflow, extracting customer domains from Odoo and feeding them into Apollo to trigger automated email and cold-calling sequences.
- **Process Automation:** Programmed project automation workflows in Odoo, eliminating manual overhead across multi-project tracking.
- **Workflow Optimization:** Customized Odoo reports and workflows to improve business efficiency, and supported functional teams through troubleshooting and production deployments.
- **Systems Integration:** Facilitated version migrations and connected third-party apps to ensure seamless data flow.

University of the Punjab — Teacher's Assistant

2024 – 2025

Lahore, Pakistan

- **Web Development (Java):** Mentored students in building server-side applications, providing hands-on technical support for backend architecture and debugging Java-based web frameworks.
- **Operating Systems:** Facilitated laboratory sessions on core system concepts, guiding students through practical implementations of process scheduling, memory management, and concurrency.

ACADEMIC & PERSONAL PROJECTS

Final Year Project — AI-Powered Smart Helmet (HelmX)

OS & Core Integration Lead

- **Embedded Systems:** Spearheaded the embedded OS architecture, hardware-level abstraction, and real-time network layer using Kotlin and TensorFlow.
- **Voice Integration:** Integrated the Rhasspy open-source voice assistant for hands-free, voice-controlled operation.

- **Live Telemetry:** Established low-latency live telemetry streaming from helmet sensors to a companion Kotlin mobile app and web dashboard for monitoring and management.

Other Projects

- Library Management System
- Student Grade Management Tool
- Bank Account System
- Obesity Level Prediction (AI/ML)
- Assembly Language Calculator
- Assembly Language Live Wallpapers

EDUCATION

University of the Punjab, Lahore, Pakistan

2022 – 2026

Bachelor of Computer Science

EXTRACURRICULAR & LEADERSHIP

Sports Society — General Secretary

- Coordinated sports activities and schedules across multiple campuses; led a team of coordinators, managed timelines, and ensured smooth execution of matches and events.

Event Management Society — Head of Security

- Managed full security operations for the Annual Dinner and PUCON.

SKILLS

AI & Machine Learning: LangChain, RAG Pipelines, LLM Fine-Tuning (Qwen, LLaMA), Vector Embeddings & Search, NLP, TensorFlow, Python (AI/ML)

Odoo: Odoo (v16–v19) Development & Customization, PostgreSQL, OOP, SQL

Languages & Web: Python, Java, C++, HTML, CSS, JavaScript