

HAMMAD UR REHMAN

Artificial Intelligence Engineer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

AI Engineer with over a year of professional experience designing and shipping multi-agent AI systems, LLM-powered automation pipelines, and full-stack AI applications. Production deliveries across legal-tech, healthcare, sports management, and e-commerce for clients in the US and Canada. Promoted from Junior AI Engineer within six months. Ranked 26th globally in the initial stage of the Agentic Legal RAG Challenge.

TECHNICAL SKILLS

Languages & Frameworks Python, FastAPI, Next.js, Flutter, SQL, REST APIs

AI & Machine Learning Machine Learning, Deep Learning, NLP, Computer Vision, RAG, Multi-Agent Systems, Prompt Engineering

LLM & Agent Tooling OpenAI API, Google Gemini, Hugging Face Transformers, Rasa

Speech & Vision Whisper, Vosk, gTTS, pyttsx3, AdaFace (face recognition), OCR pipelines

Data & Storage PostgreSQL, SQLite, Vector Databases

Automation Zapier (multi-zap workflows), ActiveCampaign, QuickBooks, CourtListener API, web scraping, email automation

EXPERIENCE

AIVSTUDIOS

Islamabad, Pakistan

Artificial Intelligence Engineer

Dec 2025 to Present

- Lead developer of a large-scale court PDF processing and customisation pipeline handling thousands of documents: automated extraction, LLM-agent analysis of court decisions, document classification, and end-to-end automation for editing, standardising, numbering, titling, splitting, de-duplication, record building, and TOC/bookmark generation.
- Built a fully customised PDF editor on top of the pipeline, with downstream agents for user edits, rendering, volume assembly, OCR, and final document flattening, replacing a manual process that previously took hours per record.
- Designed and delivered independently a weekly legal newsletter pipeline for a US legal-sector client: automated extraction of newly published court decisions across four departments, multi-agent argument building and consolidation, and FastAPI endpoints serving complete, organised newsletters.
- Contributed backend modules to a medical records summarisation pipeline in which multi-agent workflows (OpenAI and Gemini) condense large patient PDF records into concise summaries for doctors and patients.
- Developed the backend of an AI-powered badminton club management platform for clubs in Canada: automated court assignment, live ranking evaluation, player statistics, full authentication, AI-based player evaluation, and an AI coaching assistant.
- Built the backend and real-time analytics (live user activity and ordering statistics) for an e-commerce shopping platform with a companion mobile app.
- Automated an end-to-end invoice generation and delivery pipeline using a multi-step, multi-zap Zapier workflow integrated with ActiveCampaign and QuickBooks.
- Implemented legal record-building workflows on the CourtListener API and delivered an AdaFace-based attendance system with live tracking.

Junior Artificial Intelligence Engineer

Jun 2025 to Dec 2025

- Built LLM-driven backend features, FastAPI services, and automation pipelines across client projects, progressing from supported contributions to full ownership of production systems within six months.

OctaNet Services Pvt Ltd

Remote, India

Python Developer Intern

Jun 2024 to Sep 2024

- Developed and maintained Python applications during a remote internship, contributing scripts and backend features to team projects.

PROJECTS

- **RJ Assistant (Final Year Project):** Modular, privacy-focused AI assistant with online and offline capability, understanding natural-language voice and text commands for productivity, entertainment, and system control. Built with Python, FastAPI, Rasa, Transformers, Whisper and Vosk for speech recognition, gTTS and pyttsx3 for synthesis, SQLite, a local vector database, and iCalendar integration.
- **IntelliIntern:** AI-driven internship platform where candidate testing, goal assignment, progress tracking, and evaluation are fully automated, removing the supervision bottleneck that makes internship programmes costly to scale. Python, FastAPI, LLM APIs, PostgreSQL.
- **Parkely:** AI-based parking management system handling slot availability, allocation, and monitoring through automated detection rather than manual tracking.
- **Wholesale Management System:** End-to-end inventory and order management for local wholesalers, including a Flutter mobile app for order bookers syncing to a central backend for stock levels, order processing, and records.
- **E-commerce Store:** SEO-optimised storefront with server-side rendering and structured metadata, built with Next.js, Python, and PostgreSQL.
- **Lead Generation & Email Automation:** Pipelines that scrape, organise, and validate business leads, with automated outreach sequences.

ACHIEVEMENTS

- **Agentic Legal RAG Challenge:** Ranked 26th globally in the initial stage with over 80% accuracy, and 57th globally in the final stage, building an agentic retrieval-augmented generation system for legal case law.
- **Promotion:** Advanced from Junior AI Engineer to AI Engineer at AIVSTUDIOS within six months.

EDUCATION

Government College University, Faisalabad

Faisalabad, Pakistan

BS Computer Science

2021 to 2025

- Academic projects: Bike Sharing Rental Prediction, Spam Email Detection, House Price Estimation, E-commerce Recommendation System, Customer Churn Prediction.

CERTIFICATIONS

- Deep Learning Prerequisites: The NumPy Stack in Python (V2), DeepLearningCourses, Jan 2025
- Python (Basic) Skill Certification, HackerRank, Jan 2025
- Artificial Intelligence for Beginners: What is AI?, Simplilearn, 2024