

Muhammad Uzair Zia

Building end-to-end AI systems majors using LLM pipelines, agentic RAG, intelligent automation, and full-stack web solutions. Currently exploring multi-agent GPT orchestration to solve problems humans can't tackle alone.

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EXPERIENCE

Freelance Developer & AI Automation Specialist

2025 – Present

Independent · Remote [Active]

- Developing Shopify e-commerce stores with custom UI/UX and tailored product workflows.
- Built and maintaining a3technologies.co.uk, a professional WordPress business website.
- Researching and deploying multi-agent GPT orchestration systems where AI models communicate autonomously to solve complex, multi-step problems beyond human execution capacity.

Data Analyst

Mar 2025 – Sep 2025

ConnectX (Technoligent) · Islamabad

- Built and maintained a dynamic inventory tracking system in MS Excel with full ETL pipelines.
- Implemented data cleaning, transformation, and validation workflows for inventory and sales datasets.
- Designed interactive Power BI dashboards to monitor stock levels, usage trends, and procurement needs.
- Delivered insights that enabled data-driven forecasting and strategic decision-making.

Operations Executive / Development

2026 · 1 Month

Innovo Xpress · Logistics Company · Islamabad [Project-Based]

- Audited and documented manual logistics workflows; identified bottlenecks and defined automation requirements.
- Designed and delivered automation solutions to streamline courier operations and reduce manual overhead.
- Built a front-end demo showcasing an optimised end-to-end workflow system for the entire logistics operation.
- Automated internal spreadsheets using Google Apps Script enabling one-click reporting and data processing.

Engineering Intern

May – Jun 2024

National Institute of Electronics (NIE) · Islamabad

- Collaborated with engineers on FPGA-based chip design using Cadence and Microwind.
- Assisted in project planning, timeline development, and task allocation for hardware design projects.

EDUCATION

B.S. Computer Engineering

Bahria University · Islamabad
2020 – 2024

SKILLS

AI / ML

TensorFlow · scikit-learn · Hugging Face · LangChain · LlamaIndex · RAG/Agentic · NumPy · Pandas · OpenCV

WEB & AUTOMATION

Python · Django · Shopify · WordPress · Apps Script · GHL · REST APIs

DATA & CLOUD

Power BI · Firebase · MySQL · ChromaDB · Excel/ETL

NETWORKING

TCP/IP · OSPF · IPsec VPN · Cisco PT

TOOLS

Git · Figma · VS Code · MATLAB · Arduino · Proteus

CERTIFICATIONS

- ◆ Agentic RAG with LlamaIndex
Nov 2025 · #9416472
- ◆ Generative AI with LLMs & LangChain
Jul 2025 · Simplilearn · #8554217
- ◆ CCNA Fundamentals (Specialization)
May – Jun 2025
- ◆ Project Management: Kickoff Badge
May 2025
- ◆ Machine Learning Specialization
Aug – Sep 2023 · Coursera

LANGUAGES

English — Professional Proficiency
Urdu — Native

VOLUNTEER

FIFA World Cup Qualifiers 2023

Event Coordinator

3rd Place — Final Year Project Exhibition

AI-Driven Strategies for Detecting Fake News · Bahria University 2024

PROJECTS

[01] NEW · 2025

Lead Enrichment Tool

Free, API-powered tool that enriches leads with data from multiple sources. Includes voice output via ElevenLabs, Gmail integration, Grok AI processing, Facebook API, and spreadsheet sync all orchestrated from VS Code.

SERP API · ElevenLabs · Facebook API · Gmail API · Grok · Spreadsheet

[02] RAG · LLM

Financial Analysis RAG System

RAG architecture for financial data analysis using Llama 3.3. Pulls live data from News API and Yahoo Finance; stores in ChromaDB for context-aware, query-based summaries and trend analysis.

Llama 3.3 · ChromaDB · Yahoo Finance · News API

[03] NLP · ML

Fake News Detection System

Django web app using NLP preprocessing + Naive Bayes classifier. Achieved 96% accuracy distinguishing fake vs real news. Award-winning Final Year Project.

Python · Django · NLP · scikit-learn

[04] LLM · Pipeline

Text Generation Pipeline

End-to-end LLM text generation pipeline with LangChain: preprocessing, tokenisation, prompt engineering, and model output evaluation for fluency and contextual coherence.

LangChain · LLMs · Prompt Engineering

[05] Systems · Automation

Inventory Management System

Full CRUD system for managing products, suppliers, and orders with real-time tracking and reporting dashboards significantly reducing manual errors.

Python · MySQL · Reporting

[06] FPGA · Hardware

Electronic Voting Machine

Secure voting machine on Spartan-06 FPGA using Verilog/VHDL with verified vote-counting logic, result display, and simulation testing.

Verilog/VHDL · Spartan-06 · FPGA