

Imad ud din khattak

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SUMMARY

AI/ML Engineer with a background in Data Science. Experienced in building AI-powered solutions such as intelligent chatbots, data-driven decision systems. Skilled in programming, database management, and machine learning with a strong focus on practical applications of AI. Proficient in data analysis, automation, and integrating AI into real-time workflows. Certified in AI Engineering, Python Development, and Applied Data Science.

EDUCATION

Institute of Management Sciences

Bachelor of Data Science. CGPA: 3.10

Peshawar, KP

Sep. 2021 – June 2025

EXPERIENCE

AI/ML Intern

Resolve, NSTP

July 2025 - August 2025

Islamabad

- Built a SQL-based Question Answering System using LLMs (LLaMA 3, Mistral) to retrieve insights from structured databases.
- Designed two pipelines: a simple chain-based Q&A and a multi-step SQL Agent leveraging LangChain.
- Integrated LangChain with MySQL for secure, multi-query reasoning workflows.
- **Technologies:** Python, LangChain, LLaMA, Mistral, MySQL, Flask.

Automation Engineer Intern

Algorithm

June. 2025 - August. 2025

Peshawar, KP

- Automated document processing workflows using n8n to extract structured data from PDF referrals.
- Integrated OCR (OCR.space API) with LLMs (Google Gemini) for accurate text parsing and information extraction.
- Streamlined data entry by connecting workflows to Monday.com CRM for automatic record creation.
- Enhanced reliability of document pipelines by implementing schema validation and structured output parsing.

AI/ML Intern

Bave Technologies

Sep. 2024 - Oct. 2024

Peshawar, KP

- Built robust web scraping pipelines using Selenium, Requests, and BeautifulSoup to extract structured data from dynamic websites.
- Automated data collection workflows for consulting projects, improving efficiency and reducing manual effort.
- Cleaned, parsed, and stored extracted data into CSV formats for further analysis.

PROJECTS

Voice-to-Voice Bot for Shopping Mall Information Retrieval (Final Year Project)

- Built a voice-based chatbot that retrieves mall-related data through real-time SQL query generation.
- Integrated LangChain for LLM-powered reasoning, Whisper for speech-to-text, and Edge TTS for responses.
- Enabled natural conversation flow using speech recognition and dynamic SQL execution.
- **Technologies:** Python, Faster-Whisper, Edge TTS, MySQL, LangChain.

SQL-Based Question Answering System with LLMs

- Developed a natural language interface to structured data using LLMs (LLaMA 3, Mistral).
- Used LangGraph to design a multi-step SQL agent capable of secure query generation and reasoning.
- Integrated with Flask and Streamlit for web-based interaction.
- **Technologies:** Python, LangGraph, Ollama, PostgreSQL, Flask, Streamlit.

AI Job Application Assistant

- Developed an intelligent job search assistant that connects to job platforms (LinkedIn, Glassdoor, Indeed) via APIs and Selenium automation.
- Implemented CV parsing with LLMs to extract key skills and keywords for personalized job matching.

- Applied RAG (Retrieval-Augmented Generation) to enhance job relevance and recommendation accuracy.
- Designed a chatbot interface to allow users to upload resumes and receive curated job opportunities.
- **Technologies:** Python, APIs, Selenium, LLMs, RAG, Pandas.

TECHNICAL SKILLS	
Languages:	Python, SQL
Frameworks:	Flask, Selenium, playwright
Data Tools:	Power BI, Excel, MySQL
Visualization:	Matplotlib, Seaborn, Plotly
Developer Tools:	Git, Jupyter Notebook, VS Code, PyCharm, docker, cursor
Libraries:	Pandas, NumPy, Scikit-learn, BeautifulSoup, Requests
Technical Skills:	Data Analysis, Problem-Solving, Decision-Making, python programming
AI/ML Tools:	OpenAI GPT-4, Hugging Face Transformers, LangChain Agents, Faster-Whisper, Edge TTS, N8N, zapier

CERTIFICATES	
Applied Data Lab <i>WorldQuant University</i>	2023 – 2024
The Complete Python Developer <i>Udemy</i>	2022 – 2023
IBM AI Engineering <i>Coursera</i>	2024 – 2025