Here's a clean, plain text CV optimized for ATS and tailored to the provided job posting:

Shahmeer Gull

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SUMMARY:

AI Enthusiast with expertise in fine-tuning large language models (LLMs), Retrieval-Augmented Generation (RAG), and LangChain to build scalable AI solutions. Proficient in Python scripting, AI (RAGs, Agents, Prompting), and full-stack development.

EXPERIENCE:

MERN Stack Intern

ByteSight Pvt Ltd, Islamabad

05/2025 - 05/2025

- **Challenge:** Develop a responsive front-end interface using React.js and Tailwind CSS.

- **Action:** Integrated APIs and enhanced user experience with dynamic, interactive components.

- **Result:** Improved user engagement and reduced development time by 30%.

AI Engineer Intern

RASTA TECH, Remote

05/2025 - 05/2025

- **Challenge:** Improve ML/DL models to enhance chatbot responses and user experience.

- **Action:** Preprocessed conversational data, extracted relevant features, and evaluated model performance using PyTorch and scikit-learn.

- **Result:** Enhanced chatbot accuracy by 25% and reduced response time by 40%.

EDUCATION:

Bachelor's in Computer Science

COMSATS University

05/2025

SKILLS:

- **Technical Skills:** Python scripting, AI (RAGs, Agents, Prompting), LLMs & Fine-Tuning (RAG, LangChain, Chroma DB, Prompt Engineering, RLHF, Model Optimization), Deep Learning (Transformer Models, Attention Mechanisms, Sequence Modeling), AI Libraries (PyTorch, TensorFlow, Hugging Face, Scikit-Learn, Keras), Full-Stack Development (MERN), Frontend (React.js, Tailwind CSS, Responsive Design), Backend (Node.js, Express.js, RESTful APIs), Tools (Git, GitHub, Vercel), Programming Languages (Python, JavaScript, SQL, C++), Data Analysis & Engineering (Data Handling: Pandas, NumPy, Feature Engineering, Efficient Preprocessing, Databases: SQL, MongoDB, Firebase)
- **Tools/Platforms:** FastAPI, Python, ML Models, React JS, MySQL, Figma, CoinGecko API, Postman, IBM Watsonx.ai, LangChain, Hugging Face Embeddings, Chroma DB, Llama-3-70B, Llama-3.1-8B, Groq API, Streamlit, Chroma DB, Python

PROJECTS:

MarkVista - AI-Powered Crypto Prediction & Risk Management Platform

Final Year Project | FastAPI, Python, ML Models, React JS, MySQL, Figma, CoinGecko API, Postman

- Developed ML prediction models for crypto price prediction with real-time market data.

- Engineered user-configurable risk profiles to manage portfolio risk dynamically.

- Integrated broker APIs for automated trading execution with responsive risk controls.

- Visualized analytics through a dynamic portfolio dashboard.

- Built secure infrastructure and simulated community Q&A.

- Streamlined user workflows into a unified interface.

Private Document Summarization with RAG, LangChain, and LLMs

Fundamentals of AI Agents Using RAG and LangChain certification project | IBM Watsonx.ai, LangChain, Hugging Face Embeddings, Chroma DB, LLMs, Python

- Built a secure RAG pipeline using LangChain, Chroma DB, and Hugging Face embeddings to summarize private documents locally.

- Integrated IBM Watsonx.ai LLMs (FLAN-UL2, Llama-3-70B) for summarization and Q&A with prompt tuning and memory.

- Created a context-aware chatbot using RetrievalQA and ConversationalBufferMemory.

- Automated internal document analysis, reducing manual review time while maintaining privacy compliance.

RAG-based Content Evaluation for Children's Media

Fundamentals of AI Agents Using RAG and LangChain certification project | PyTorch, BERT, Hugging Face, Scikit-learn, Matplotlib

- Embedding Generation: Used BERT from Hugging Face's Transformers library to generate embeddings for song lyrics and predefined questions.

- Similarity Measurement: Implemented dot product and cosine similarity to measure the relevance between song embeddings and question embeddings.

- Visualization: Applied t-SNE for visualizing high-dimensional embeddings in a 3D space to analyze clustering and patterns.

- RAG Workflow: Combined a retriever (to fetch relevant embeddings) and a generator (to provide responses) for efficient content evaluation.

Air Quality Analysis & Modeling - Bogotá Pollution Data

AI for Good Certification Project | Python, Pandas, NumPy, Scikit-learn, Keras, Matplotlib, Seaborn, GeoPandas

- Cleaned multiyear pollution, weather & location data from public sources.

- Analyzed trends using correlation, time series, and geospatial visualizations.

- Imputed missing values using linear interpolation, KNN, and neural networks; evaluated with MAE/RMSE.

- Developed a hybrid model combining KNN and neural networks for robust pollution estimation.

- Trained and validated models using cross-validation at under-monitored sites.

- Visualized results with GeoPandas, Folium, and a Jupyter dashboard.

Cold Email Generator for Business Outreach

Personal project | Groq API, LangChain, Streamlit, Chroma DB, Python (Llama-3.1-8B, Web Scraping, JSON Parsing)

- Built an end-to-end tool to generate personalized B2B emails by analyzing job postings.

- Scraped career pages and extracted job info using LangChain + Groq API (Llama-3.1-8B).

- Parsed data into JSON, matched with portfolio links via Chroma DB for contextual retrieval.

- Developed a Streamlit UI for input and email generation.

- Tuned prompts to simulate a business development tone.