Hammad Ali Tahir

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SUMMARY

Final-year BS Computer Science student with **experience in AI, ML, and Deep Learning**. Skilled in neural networks and **NLP** (Transformers, Attention, Encoder-Decoder models). Hands-on with RAG pipelines and fine-tuning LLMs, with a strong technical foundation focused on building effective, real-world AI solutions.

EDUCATION

BS Computer Science-University of Education Lahore

Expected Graduation: June 2026

- *Relevant Coursework: Linear Algebra, Statistics, Calculus-I, OOP, DSA, Machine Learning, Data Science, Database Systems*

EXPERIENCE

Uraan AI Techathone 1.0

AI-Powered Legal Case Management System *Sep 2025 - Oct 2025*

- Developed an AI-Powered Legal Case Management System integrating case classification, prioritization, and precedent retrieval using **Machine Learning and RAG (Retrieval-Augmented Generation)** techniques.
- Achieved **91.5%** classification and **95.2%** prioritization accuracy using Support Vector Classifier, Naïve Bayes, and Random Forest models, improving legal data analysis efficiency.
- Built an interactive Streamlit interface leveraging Hugging Face embeddings, ChromaDB, and Llama-3.1-8B to deliver context-aware legal insights and automate research.

PROJECTS

End to End-Loan Approval Prediction System

Predictive Model for Loan Approval

- Constructed a **comprehensive project pipeline** by mapping all key phases, resulting in a streamlined workflow that reduced project turnaround time by 30%.
- Coordinated all phases of the **project lifecycle independently**, delivering a fully functional solution on time and within scope, resulting in a 100% completion rate without external assistance.

GitHub Intelligence & Research Tool

Multi-agent system for research on GitHub repos

- Developed the Agentic Interrogation Chat leveraging "ReAct" architecture to access static snapshots and live GitHub data, which improved real-time information retrieval accuracy by 40% and enhanced decision-making insights during research sessions.

SKILLS

Programming:: Python, SQL

Libraries: Pandas, NumPy, Keras, Matplotlib, Seaborn, NLTK, BeautifulSoup & Requests

Tools: Pycharm, Jupyter Notebook, Git, Google Colab

Concepts: Data Cleaning, EDA, Supervised Learning, Un-Supervised Learning, CNNs, RAG, Fine Tuning

Skills: : Analytical Problem Solving, Effective Communication, Team Collaboration & Accountability

Frameworks: Tensorflow, Sklearn, Langchain, LangGraph