

# 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.

## SKILLS

**Programming:** Python, SQL

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

**Tools:** Pycharm, Jupyter Notebook, Power BI, 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

## CERTIFICATIONS

- **IBM Data Science Professional Certificate**

*Hands-on training in Python, data analysis, visualization, and machine learning.*

- **Supervised ML: Regression and Classification(2025)**

*DeepLearning.AI and Stanford University*