Hammad Ali Tahir
AI & MACHINE LEARNING ENGINEER

CONTACT

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LinkedIn
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PROFESSIONAL SUMMARY

Final-year BS Computer Science student with expertise in artificial intelligence, machine learning, and deep learning. Proficient in neural networks and natural language processing including Transformer architectures and encoder-decoder models. Hands-on experience with retrieval-augmented generation (RAG) pipelines and large language model fine-tuning. Seeking AI/ML internships and research positions.

EDUCATION

BS Computer Science
University of Education Lahore
Expected Graduation: June 2026
Lahore, Pakistan

Relevant Coursework:
Linear Algebra, Statistics,
Object-Oriented Programming,
Data Structures and Algorithms,
Machine Learning, Data Science,
Database Systems, AI

PROFESSIONAL EXPERIENCE

AI Engineer & Developer
Uran AI Techathon 1.0   *Nov 2024*
- Developed AI system for case classification, prioritization, and precedent retrieval using ML and RAG techniques
- Achieved **91.5%** classification accuracy and **95.2%** prioritization accuracy with ensemble methods
- Built interactive Streamlit interface leveraging Hugging Face embeddings, ChromaDB, and Llama-3.1-8B
- Reduced legal research time by **70%** through automated pipeline implementation

AI Developer
IBM Hackathon   *Dec 2024*
- Developed AI-powered career development platform on IBM Watsonx for personalized career guidance
- Created dual-tool system: Career Planner AI for growth roadmaps and Resume Analyzer AI for job compatibility
- Integrated IBM Watsonx for enterprise-grade AI capabilities with secure authentication
- Designed professional interface with intelligent input validation

SKILLS

- **Programming:** Python (Advanced), SQL, C++
- **Machine Learning:** Scikit-learn, XGBoost, TensorFlow
- **Deep Learning:** PyTorch, Keras, Transformers
- **NLP:** BERT, GPT, LangChain, RAG
- **Tools:** Git, Docker, VS Code, Jupyter
- **Cloud:** AWS, GCP, IBM Watsonx
- **Databases:** PostgreSQL, MongoDB, ChromaDB
- **Web:** Streamlit, FastAPI, Flask

PROJECTS

AI-Powered Legal Case Management System
- End-to-end legal AI platform with case classification and precedent retrieval
- Technologies: Python, Streamlit, LangChain, ChromaDB, Llama-3.1-8B
- Achieved 91.5% accuracy in legal case categorization

End-to-End Loan Approval Prediction System
- Built ML pipeline reducing development time by **30%** with **98%** prediction accuracy
- Developed dashboard for real-time loan prediction and risk assessment
- Technologies: Python, Scikit-learn, Streamlit, Pandas

Real-time Sentiment Analysis API
- Developed Transformer-based model using BERT architecture
- Achieved **95ms** inference time and **92%** accuracy
- Technologies: Python, FastAPI, Transformers, Docker

CERTIFICATIONS

- IBM Data Science Professional Certificate
- Supervised Machine Learning (DeepLearning.AI & Stanford)
- Uran AI Techathon 1.0 Finalist (Top 10%)
- IBM Hackathon Participant

LANGUAGES

- English (Professional Proficiency)
- Urdu (Native)