

# Ishtiaq Ahmad

Ambiri Killa, Karak, KPK, Pakistan

ktkishtiaq0@gmail.com

+92-311-9204470

## Summary

A results-driven Full Stack Developer with a BSc in Software Engineering from the University of Lahore (Islamabad Campus). Proficient in building robust, scalable systems using Python, Java, JavaScript, and modern frameworks such as React, Django, and JavaFX. Adept at full-stack development, database architecture, and integrating machine learning technologies. Experienced in leveraging Hugging Face for advanced NLP models to enhance data analysis. Demonstrated expertise in delivering high-performance solutions with a strong focus on machine learning, AI-driven systems, and continuous improvement.

## Education

University of Lahore, Bachelor of Science in Software Engineering	2019–2023
Gomal University D.I Khan, Bachelor of Arts	2017–2019
Saeed Institute of IT, Karak, Diploma in Information Technology	2017–2019
Oxford Science College, Higher Secondary School Certificate	2015–2017

## Professional Experience

<b>AI/ML Engineer</b> , NetSol - Lahore	Jan 2024 – Present
<ul style="list-style-type: none"><li>Designed and deployed scalable ML/DL models (ANN, RNN, Transformers) using TensorFlow, PyTorch, and Keras for enterprise applications.</li><li>Built Retrieval-Augmented Generation (RAG) pipelines integrating LangChain, HuggingFace models, and vector databases (FAISS/Pinecone).</li><li>Optimized model performance using hyperparameter tuning (Optuna), distributed training, and cloud platforms (AWS SageMaker, GCP).</li><li>Collaborated with cross-functional teams to productionize models using Docker, Kubernetes, and CI/CD pipelines.</li><li>Implemented MLOps practices (MLflow, Kubeflow) for experiment tracking, model versioning, and monitoring.</li><li>Developed NLP solutions (text classification, entity recognition) using BERT, GPT, and spaCy.</li><li>Researched SOTA papers (arXiv) and applied techniques like reinforcement learning (RLHF) and diffusion models.</li><li>Mentored interns/junior engineers on ML workflows, Git best practices, and Agile methodologies.</li></ul>	
<b>Data Scientist Intern</b> , Stella Technology - Islamabad	June 2023 – Nov 2023
<ul style="list-style-type: none"><li>Worked on the full Data Science Life Cycle from data collection to model evaluation.</li><li>Built data pipelines using Python, Pandas, and NumPy.</li><li>Developed ML models with scikit-learn and TensorFlow.</li><li>Created data visualizations using Matplotlib, Seaborn, and Plotly.</li><li>Utilized SQL and MongoDB for data querying.</li></ul>	

## Projects

### AI-Powered JobScan Keyword Extractor

Python | Hugging Face | NLP | Django | React |

- Developed a keyword extraction system analyzing 50k+ job descriptions using Hugging Face transformers
- Achieved 92% accuracy in matching candidate resumes to job requirements through custom NLP pipelines
- Integrated with Django backend and React frontend for real-time analysis and visualization

### Wood Furniture E-Commerce Platform

React | Redux | Material UI | Django REST API | JWT

- Built full-stack furniture marketplace with product customization features and 3D previews

- Implemented Redux for state management, reducing cart abandonment by 25%
- Created RESTful APIs handling 150+ concurrent users with JWT authentication

### **Weather Prediction System**

*Django | OpenWeatherMap API | Machine Learning*

- Engineered weather forecasting app processing 1M+ API requests/month
- Trained LSTM model to predict rainfall patterns with 87% historical accuracy
- Designed responsive UI with dynamic data visualization using Chart.js

### **AI Chatbot for Customer Support**

*Python | TensorFlow | NLTK | Flask*

- Trained neural network model on 15k+ customer service dialogues
- Achieved 81% intent recognition accuracy through continuous learning
- Deployed via Flask API with integration to WhatsApp Business

## **Technical Skills**

---

**Programming:** Python | Java | JavaScript | React/Redux | Django REST Framework | Material UI | MySQL | Hugging Face Transformers | Git | Linux

**Frameworks/Tools:** Django, VS Code, Google Analytics, Power BI, Tableau

**Office Tools:** Microsoft Office (Visio, Access, PowerPoint, Excel, Word)