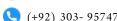
# Atiq Ur Rehman



atiqurrehmandata



https://www.linkedin.com/in/atig-ur-rehman-1b688b28b My Portfolio LInk. Click Here.



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#### **Professional Experience**

# JMM Technologies, Data Scientist Intern

A. Chat With Data: Link

January 2025 - March Peshawar, Pakistan

- Developed "Chat\_with\_Multiple\_Sources" solution enabling users to interact with diverse document formats (PDF, TXT, DOC) and websites through natural language queries.
- Implemented ChromaDB to efficiently store and retrieve document embeddings, optimizing search performance and context relevance.
- · Optimized Gemini API with prompt engineering for higher-quality responses across multiple information sources.

## B. Booking Appointment Automation Agent Link

- Built an Appointment Automation Agent to book, check, and cancel appointments.
- · Collected user details including Name, Email, Date, Time, and Purpose, and stored them in a database.
- Implemented input validation to ensure correct email, date, and time formats.
- Allowed users to check existing appointments by providing their email.
- Enabled appointment cancellation by verifying records in the database.
- Sent automated confirmation and cancellation messages to users via email.

#### C. Ticket Resolution Agent With Multi step Reviewer: Link

- I engineered an end-to-end intelligent ticket processing system using LangGraph, Groq LLMs, and Retrieval-Augmented
- · I built a strict classification pipeline with confidence scoring and fallback handling for ambiguous or vague tickets
- I implemented content chunking and integrated Chroma vector databases with Hugging Face embeddings for scalable semantic search.
- I designed context-aware response generation that leverages similarity retrieval from stored tickets.
- I added automated validation and workflow orchestration to ensure professional, accurate, and consistent ticket
- I structured the system for modularity and future extensibility, enabling easy updates and category expansion.
- The system was built using Python, LangChain, LangGraph, ChromaDB, Hugging Face embeddings, Groq LLMs, and dotenv for environment configuration.

## Education

2020 - 2024Bannu. Pakistan

Computer Science, University of Science and Technology, Bannu CGPA: 3.23

Extensively studied Data Analytics, Data Communication, AI, MachineLearning, Deep Learning, Generative Ai Cloud Computing AWS, Docker and Python

### **Skills**

Generative AI: Large Language models (LLMs), Retrieval-Augmented Generation (RAGs), Vector DataBases (ChromaDB, FAISS, Pincone) APIs(OpenAI, Gemini, Anthropic)

<u>Deep Learning:</u> Convolutional Neural Network, Recurrent Neural Network, Long Short Term Memory, Transformers Models, Hugging Face.

Machine Learning: Linear Regression, Logistic Regression, K-Nearest Neighbour, Support Vector Machine, Random Forest, Decision Tree, Gradient Boosting, XGBoost.

Data Analytics and Visualization: Pandas, Numpy, Matplotlib, Seaborn, Plotly, SQL

Frameworks and APIs: Scikit-Learn, TensorFlow, Keras, PyTorch, LangChain, LangGraph FastAPI

#### **Projects**

#### Google Chrome Plugin for YouTube Comments Sentiment Analysis (FYP)

2023/05 - 2024/02

- Tech Stack: Python, Numpy, Pandas, Matplotlib, NLP, DistilBert, Bert, Deep Neural Networks, Flask Trained model with an accuracy of 96% for three sentiments using BERT and Deep Neural
- Integrate the trained model into a Chrome extension that allows users to visualize YouTube comments as Positive, Negative, or Neutral.
- Dockerized and Deploy on AWS EC2 instance.