

Education

Bachelor of Science in Software Engineering
Abasyn University Peshawar: CGPA 3.3
Year of Graduation: 2024







Summery

AI and machine learning engineer with nearly one year of hands-on experience in developing intelligent applications. Successfully developed AI chatbots, predictive models, and web applications using advanced technologies like Langchain and Fastapi. Skilled in Python, data analysis, and deploying AI-driven solutions to enhance software capabilities.

Work Experience

DataWars.io <i>Ai Reasearcher</i>	Remote <i>Sep 2024 – Current</i>
<ul style="list-style-type: none">Conducted research on advanced RAG techniques and chunking strategies, focusing on retrieval optimization.Developed Python scripts for efficient text chunking and vector-based retrieval using Langchain and OpenAI embeddings.Evaluated RAG model performance through metrics such as context precision, recall, and faithfulness to ensure high-quality retrieval results.	
Intelligent Solution <i>ML/AI Intern</i>	Remote <i>Aug 2024 – Oct 2024</i>
<ul style="list-style-type: none">Built Ai Chatbot and API using Fastapi, Elasticsearch, Langchain and Qwen2 model with 98% accuracy.Develop Projects from design to deployment.Conducted research on various AI models and techniques, including Retrieval-Augmented Generation (RAG), to improve model accuracy.Assisted in developing AI-driven solutions that enhanced software capabilities through advanced machine learning models and automation for multiple projects.Developed AI applications by integrating cutting-edge technologies, leading to a significant increase in client satisfaction and innovation in the industry.	
Kairiz Cyber Security <i>Artificial intelligence Intern</i>	Remote <i>July 2024 – Aug 2024</i>
<ul style="list-style-type: none">Worked on end-to-end machine learning project. Perform clearing data, feature engineering, model building.Received mentorship from senior AI engineers on chatbot development, Agile methodologies, CI/CD, and microservices patterns, building a robust technical foundation.	

Projects

-  [Custom Chatbot using Langchain](#)
Created a chatbot application utilizing website content to provide users with specific information queries.
-  [YouTube Comment Sentiment Analysis](#)
Created a Flask app to analyze YouTube comments, classifying them as positive, negative, or neutral.
-  [Chat with Multiple PDFs using Gemini](#)
Developed a Streamlit app allowing users to chat with PDF documents using the Gemini conversational AI model.
-  [Keyboard Auto Suggestion App](#)
Created a Streamlit web app providing real-time word suggestions and autocorrection based on a preloaded text corpus.
-  [Flower Classification Web App](#)
Developed a Django web application using a Random Forest Classifier to predict the species of an Iris flower based on its dimensions.
-  [Student Performance Indicator](#)
Implemented a machine learning pipeline for predicting student marks and developed a Flask web application with a user-friendly interface.

Certificates

- Artificial Intelligence**
Xeven Solutions | September 2023 | [Certificate Link](#)
- Problem Solving (Python)**
Hacker Rank | July 2023 | [Certificate Link](#)
- Python Basic**
Hacker Rank | July 2023 | [Certificate Link](#)

Skills Summery

- Python
 - Scikit-learn
 - Keras, TensorFlow, Pytorch
 - Soft Skills:** Time Management, Communication, Leadership, Flexibility, Teamwork, Decision Making
 - Data Manipulation with Pandas
 - Data Analysis with NumPy
- Llamindex
 - Fastapi
 - CI/CD with Git
 - Langchain
 - Rag
 - Large Language Model:** Gemini pro, OpenAI models (GPT3, GPT4), llam3, mistral