Muhammad Hamza Jadoon

Roll No.: 20i-0570
Degree: BS-AI
FAST - NUCES, Islamabad

📞 +92-0310 5416397
✉ muhammadhamzajadoon@gmail.com
 GitHub Profile
 LinkedIn Profile

EDUCATION

- **FAST-NUCES, Islamabad** *2020-2024*
  Bachelors in AI, Islamabad

- **Benchmark School System** *2018-2020*
  O/A levels, Islamabad

PERSONAL PROJECTS

- **Recognize Car Licence plate from video** *May 2023*
  Computer vision to extract the license plate then Optical Character Recognition to recognize the license number

  – Tools & technologies used: skimage, Opencv, tensorflow, imutils
  – Processes video frames in real-time using image preprocessing, contour detection, and a pre-trained TensorFlow OCR model to detect and recognize car license plate

- **SafeGuardHer** *Final Year Project*
  Real-Time Audio Threat detection

  – Tools & technologies used: Flutter, Tensorflow, Roberta, Pytorch
  – Fine-Tuning LLMs for improved perfromance in sceam and hate speech detection on real time audio

- **Document-Driven Conversational AI** *September, 2023*
  Personalized chatbot

  – Tools & technologies used: Langchain, Tensorflow, sentence transformers, Llama, Streamlit
  – Pretrained language model to extract document embeddings, learn patterns, and engage in natural language conversations for personalized information retrieval)

- **Cricket Ontology using Knowledge Graph Tech** *May, 2023*
  SQL retrieval system for Cricket Stats Scraped from online resources

  – Tools & technologies used: GraphDb, Protégé, OWL, RDF
  – Developed a comprehensive cricket ontology in Protégé, populated it with scraped data, and created a knowledge graph in GraphDB, enabling data retrieval with SQL statements

CERTIFICATIONS

Coursera:

- Machine Learning Specialization
- Deep Learning Specialization
- Generative Adversarial Networks (GANs) Specialization
- Generative AI with Large Language Models
- Natural Language Processing Specialization

TECHNICAL SKILLS AND INTERESTS

Languages: C++, C, Python(major), React, Java, Html, CSS, SQL, Php, C
Developer Tools: Git, Gitlab, Visual Studio Code, Jupyter Notebook, Jira
Frameworks: Django, Flask, React Native, Pytorch, Keras, tensorflow, Oracle, OpenCL
Cloud/Databases: AWS (Amazon Web Services)
Coursework: lgorithms and Data Structures, Machine Learning, Database Management, Software Engineering, Artificial Intelligence, NLP, CV

STATEMENT OF INTEREST

I am passionate about problem solving and possess a strong foundation in the domains of Artificial Intelligence (AI), Natural Language Processing (NLP), and Computer Vision. I am currently seeking opportunities that will leverage my skills and expertise to drive impactful solutions. My goal is to contribute to an organization's success while also advancing my own professional growth and development.