

Qasim Sajjad

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EDUCATION

FAST National University of Computer and Emerging Sciences (NUCES)

Bachelor in Computer Science

Cumulative GPA: 3.47/4.0; Four Times Dean's List achiever

Relevant Coursework: OOP;Data Structures; Operating Systems; Algorithms; Artificial Intelligence

Lahore,PK

Expected May 2025

THE PUNJAB COLLEGE

FSC Pre-Engineering with Majors in Math

Lahore,PK

Sep 2019 - Mar 2021

WORK EXPERIENCE

DISRUPTIVE AI

June 2024 – Sep 2024

AI Engineer Intern

- Worked on our own RAG-based chatbot using Langchain and Llama-index frameworks in python.
- Utilized and experimented with multiple open-source models to find the best model for the use case.
- Worked on an object detection and image segmentation project by using SAM and YOLO models for workers safety.

FIVERR

Mar 2023 – Sep 2023

Data Analyst

- Worked on a project related to Data analysis receiving 100% client satisfaction and 5-star rating.
- Performed Exploratory Data Analysis on the client provided dataset of Rugby players of France.
- Analyzed and cleaned dataset of over 100,000 rows, using Seaborn and Matplotlib to create 15+ visualizations; identified key trends and insights, increasing data-driven decision.
- Showed results and findings to the client.

MINDSTORM STUDIOS

June 2023 – Aug 2023

Game Developer Intern

- Worked as a Game Developer and a Team-Lead in the leading Mobile-Game Development studio in Pakistan.
- Engineered a game prototype using Unity and C# in collaboration with 4 developers; conducted comprehensive user testing that enhanced gameplay mechanics and reduced bug reports.

UNIVERSITY PROJECTS

SYNTHESIA-Chat with Your Data ~ <https://synthesia.streamlit.app/>

July 2024

- RAG pipelines utilizing LLMSelector for intelligent query routing and Groq LLM for lightning-fast responses.
- Efficient Storing with Chroma vector database and maintaining chat history for context-aware conversations.

DEEPPAKE AUDIO DETECTION SYSTEM

April 2024

- Developed AI vs. human audio classification in TensorFlow using "Deepfake Audio Detection using MFCC" paper.
- Extracted features like Mel-spectrogram and MFCC from 50,000 audio signals using a Kaggle dataset.

MITOSIS DETECTION WEBSITE

April 2024

- Implemented classification of mitosis detection in 200 plus microscopic Whole Slide Imaging (WSI) using multiple models,performed Data Augmentation and transfer learning from pre-trained models like ResNet and YOLO.
- Developed a smooth and fast user-friendly website using Laravel, integrating Flask to retrieve model results.

PEGASUS REALTIME THIEF DETECTION

Aug 2024

- Freelance project, Visual Monitoring Interface with Realtime facial detection, weapons, helmets and items
- Alarm, screenshot capture saving and sending WhatsApp notifications on threat detection.

ADDITIONAL

Technical Skills: C++, Python, Tensorflow, Pytorch, SQL, PHP, Laravel, Asp.net, C#, HTML, CSS, Bootstrap, Unity.

Languages: Fluent in Urdu,Hindi; Conversational Proficiency in English

Certifications & Training: Machine Learning Specialization (Coursera)

Awards: High Achiever in FSC Board (2019), Rookie Game-Jam Winner Conducted by M-Labs (2023)