Syed Arbaz Ali Rizvi

Nationality: Pakistani

Gender: Male

CONTACT

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ABOUT ME

A highly motivated recent graduate from **Government College University, Faisalabad (GCUF)** with a Bachelor of Science in Computer Science (CGPA 3.41/4.00) and a demonstrated passion for Artificial Intelligence and Machine Learning. Possesses practical, hands-on experience from developing the final-year project **"Kids Guard,"** a parental safety application utilizing a machine learning model to detect digital risks. Proactively enhanced theoretical knowledge through specialized certifications, including the **Machine Learning Specialization from Stanford/DeepLearning.AI**, IBM's **"Python for Data Science, AI & Development,"** and the **"Elements of AI"** from the University of Helsinki. Seeking to leverage this robust foundation in a challenging Master's program focused on Computer Science or Artificial Intelligence.

EDUCATION AND TRAINING

30/09/2020 – 09/09/2024 Faisalabad, Pakistan

Bs Computer Science Government College University Faisalabad (GCUF)

Key Courses:
- Artificial Intelligence
- Fundamentals of Data Mining
- Design & Analysis of Algorithms
- Linear Algebra
- Data Structure & Algorithms
- Database Systems
- Object-Oriented Programming
- Calculus & Analytical Geometry

Website https://gcuf.edu.pk/ | **Final grade** 3.41/4.00 | **Level in EQF** EQF level 6

PROJECTS

Final Year Project

Kids Guard: AI-Powered Parental Safety Application (Final Year Project)
- Developed a comprehensive application to enhance child safety by analyzing digital communications.
- Engineered and trained a machine learning model to detect patterns indicative of cyberbullying and exposure to inappropriate content in text data.
- Researched and implemented computer vision techniques for human tracking, addressing challenges of unpredictable motion and partial occlusions (aligning with interest in pose estimation).
- Managed the full project lifecycle, from conceptualization and data handling to model testing and deployment, within a 6-credit-hour framework.

SKILLS

PROGRAMMING LANGUAGES

Python, C++, Java, SQL, HTML, CSS, JavaScript
AI/ML FRAMEWORKS & TOOLS

Scikit-learn, PyTorch, Hugging Face
DATABASE TECHNOLOGIES

SQLite, MySQL
VERSION CONTROL

Git, GitHub
DATA SCIENCE TOOLS

Jupyter Notebook, Pandas, Numpy, Matplotlib

AI & MACHINE LEARNING

Regression and Classification │ Supervised and Unsupervised Learning │ Reinforcement Learning │ Neural Networks │ Recommender Systems │ Advanced Learning Algorithms │ Model Evaluation and Optimization

WEB DEVELOPMENT

HTML, CSS, JavaScript, Flask │ Firebase

SOFT & ANALYTICAL SKILLS

Problem Solving, Critical Thinking, Research Design, Team Collaboration, Technical Communication

HONOURS AND AWARDS

● **Coursera Professional Certifications & Courses**

- Machine Learning with Scikit-learn, PyTorch & Hugging Face
- Advanced Learning Algorithms
- Supervised Machine Learning: Regression and Classification
- Unsupervised Learning, Recommenders, Reinforcement Learning
- Python for Data Science, AI & Development
- Elements of AI
- Data Science 101
- Data Science Specialization (Courses: What is Data Science?, Tools for Data Science, Data Science Methodology)
- HTML, CSS, and JavaScript for Web Developers

● **Extracurricular Activities**

- Active participant in university workshops and seminars related to AI and machine learning.
- Engaged in online forums and communities discussing AI research and technology advancements.

LANGUAGE SKILLS

MOTHER TONGUE(S): Urdu

Other language(s):

English

  Listening B2

Spoken production B2

  Reading B2

Spoken interaction B2

  Writing B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

AREAS OF EXPERTISE

● **Expertise**

Machine Learning, Data Mining, Data Analysis, Database Systems (SQL), Distributed Databases, Web Development