Tanzeel Abbas

Nationality: Pakistani

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Links: LinkedIn | GitHub

OBJECTIVE

Ambitious AI Engineer specializing in Natural Language Processing and Computer Vision. Seeking a position that will allow me to apply my extensive expertise of deep learning and Machine Learning while also encouraging innovation in cutting-edge endeavors.

PORTFOLIO

1. **Journal Paper**
    " Deep Learning for Uniform Detection A CNN-based Approach " (Submitted in **Evolutionary Intelligence** Journal- IF 2.6)
    Tanzeel Abbas, Zahid Ahmad

2. **Educational Projects**
    ➢ **Student Uniform Detection Using CNN (BS Final Year Project)**
    Convolutional Neural Networks (CNNs) and facial recognition algorithms were used to recognize student uniforms and faces at the same time. The project improved knowledge of multi-task learning, image processing, and deep learning model integration. The study has practical benefits, particularly in school security and exact attendance monitoring.
    ➢ **Cotton Plant Disease Detection Using CNN-based Website (AI Expo 2022 Project)**
    Developed a user-friendly website utilizing CNN to detect diseases in cotton plants. Trained CNN model on extensive cotton plant image dataset for accurate disease identification and classification. The project's purpose was to give farmers and researchers with a simple platform for diagnosing and managing cotton plant diseases.
    ➢ **Generating Text from Poetry Project (AI Expo 2023 Project)**
    Utilized natural language processing techniques and deep learning models such as LSTM (Long Short-Term Memory), GRU (Gated Recurrent Unit), and CNN1D (one-dimensional Convolutional Neural Network). The project's goal was to generate text in the style of the famous poet Jaun Elia, showcasing expertise in employing these models and innovative natural language processing approaches.
    ➢ **Other Projects**
    - Project 1 — Sarcasm Headlines Classification Project
    - Project 2 — Tomato Leaf Disease Detection Using CNN
    - Project 3 — Skin Disease Detection Using CNN-based Website
    - 10 more projects — Available in my GitHub Profile

EXPERIENCE

Machine Learning Engineer Internship at RoboLogicx (SMC-PRIVATE Limited)
[April 1,2023 – July 25,2023]

As a Machine Learning Engineer intern, I study and implement new algorithms, contributing to real-world projects and gaining hands-on experience in machine learning/deep Learning.

EDUCATION

Bachelor of Science in Artificial Intelligence (3.88 CGPA)
The Islamia University of Bahawalpur. [January 2020 – September 2023]
Diploma in Information Technology (1168/1400)
Khyber Pakhtunkhwa Board of Technical Education, Pakistan. [2018]

ACHIEVEMENTS AND SKILLS

Programming Skills
1. **Languages:** Python, C++
2. **Libraries/Frameworks:** NumPy, Pandas, Tensorflow/Keras, Scikit Learn, Matplotlib, Seaborn, AWS Sagemaker, OpenCV, NLTK, Flask, Dlib, face_recognition

Machine Learning and Deep Learning Skills
1. Natural Language Processing (NLP)
2. Computer Vision (CV)

General Software Skills
1. Git and GitHub, Weka, MS Word, MS Excel, MS PowerPoint, Jupyter Notebook, Google Colab

Achievements
1. RUNNER UP of Artificial Intelligence Expo 2022 at The Islamia University of Bahawalpur, Pakistan.
2. WINNER of Artificial Intelligence Expo 2023 at The Islamia University of Bahawalpur, Pakistan
3. Attained the **Top Position Holder** title in the current BS degree program, college, and school, reflecting consistent commitment to academic excellence and leadership.
4. Awarded Laptop by Prime Minister Laptop Scheme for Achieving good grades (2018) during ICS.

CERTIFICATES

- Certified ARTIFICIAL INTELLIGENCE DEVELOPER (PIAIC)
- TensorFlow Developer Professional (DeepLearning.AI)
- Machine Learning with Python (IBM - Coursera)
- Data Analysis with Python (IBM - Coursera)
- Advanced Computer Vision with TensorFlow (Coursera)
- DeepLearning.AI TensorFlow Developer Professional (Coursera)
- Natural Language Processing in TensorFlow (Coursera)
- Sequences, Time Series and Prediction (Coursera)
- Crash Course on Python (Google - Coursera)
- Python for Data Science, AI and Development (IBM - Coursera)
- Convolutional Neural Networks in TensorFlow (Coursera)
- Artificial Intelligence for IT and Non-IT Professionals (Virtual University Pakistan)

LANGUAGE SKILLS

- **Urdu**
- **English**