Taneem Jan

AI Research Intern

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EDUCATION

BS Computer Science
University of Engineering and Technology Peshawar

09/2018 - Present *Focus: AI*

Related Courses

- Computational Intelligence
- Artificial Neural Networks
- Data Science
- Data Structures and Algorithms
- Design and Analysis of Algorithms
- Software Engineering

Intermediate
Government College Peshawar

09/2016 - 08/2018

Core Subjects

- Mathematics
- Computer Science
- Physics

WORK EXPERIENCE

Machine Learning Engineer Intern
NAECO Blue GmbH

08/2021 - 11/2021 *Germany*

The start-up creates location-specific feed-in forecasts for wind and solar energy in order to make the volatility of these energy sources more usable

Finding all in one Weather API

- The task was to find a weather API so that the teams don't need to overlook to any other resources for any kind of data. I talked to different organizations and then tested out their weather APIs for forecast and historical data in terms of annually, monthly, weekly, daily, hourly and minutely data.
- My testing and analysis made the company able to decide on an API, I recommended. And then they followed my analytical charts and graphs to find the best spatial and temporal resolution data for a specific location.

Contact : Felix Ollech - https://www.linkedin.com/in/felix-ollech

SKILLS

Artificial Intelligence | Deep Learning | Computer Vision | Python | C++ | MATLAB | Keras | TensorFlow | Numpy | MySQL | Software Engineering

PERSONAL PROJECTS

HTML Code Generation from Images with Deep Neural Networks (01/2022 - Present)

- Using the image captioning technique to convert images to words and sentences with the use of deep neural networks.
- Scanning and featuring images with CNN, encoding those features to words and then decoding those features to generate HTML codes.
- Stacks used: Python, TesnsoFlow, Keras, OpenCV, Numpy, Pandas, Matplotlib

Student Attendance System through Face Recognition

- Capturing the image streams from a website through Flask API, and in the backend using computer vision and convolutional neural network to detect faces within the stream and classifying them accordingly to mark attendance of students

Image Colorization with Convolutional Neural Networks

- Colorisation of a given grayscale image by using the computer vision techniques, image processing and convolutional neural networks
- Stacks used: Python, TensorFlow, Keras, Numpy, OpenCV, Pandas, Matplotlib, Sklearn

Tweet Emotion Recognition with RNNs

- Tokenizing, Padding and Truncating the text sequences by using the NLP and Deep Learning techniques for text classification and Recurrent Neural Networks for Recognition and prediction about the tweet
- Stacks used: Python, TensorFlow, Keras, Numpy, Matplotlib

PROFESSIONAL CERTIFICATES

Deep Learning Specialization from deeplearning.ai

A specialization in deep learning on Coursera taught by Andrew Ng, having five courses ranging from introduction up to convolutional & sequence models

Machine Learning from Stanford University

A beginner to advance machine learning course on Coursera taught by Andrew Ng, where a practitioner learns the core concepts of machine learning

TensorFlow Developer Professional Certificate from deeplearning.ai

Professional course for deep learning researcher to implement the core concepts of modern AI and deep learning using the modern framework TensorFlow

Introduction to Computer Vision and Image Processing from IBM

An entry level course ranging from introduction to computer vision, to image classification and object detection with theory and practical excerices