Nasim Akhtar

M a c h i n e L e a r n i n g E x p e r t

I am Data Scientist specialized in Computer Vision, Solving coding challenges makes my days. I am an Engineer. I would just like to help you through your problems. My area of expertise includes image processing, machine learning, Neural networks and deep learning framework like Tensor Flow, Kera's, as well work in computer vision & deep learning.

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EDUCATION

MS Artificial Intelligence
Islamia University Bahawalpur

09/2021 - Present

Courses

- Machine Learning
- NLP
- Artificial Neural Network
- Computer Vision

Bs Information Technology
Women University Bahawalpur - GSCWU

10/2017 - 09/2021

Project: Office Management System

- The objective of this project is to develop a CRM of office (A very close example will be ERP.). It will provide the unified information about employees and expenses of different projects (Client, employee, and expense) of office, which includes e-marketing

WORK EXPERIENCE

Software Engineer(Internee)
Islamia University Bahawalpur

Achievements/Tasks

- I worked with my university professor on a research article (tuning hyperparameters, Tuning hyperparameters is an important aspect of machine learning and other computational tasks. By optimizing the hyperparameters, you can improve the performance of the algorithm or model)and do a literature review paper with efficient manner
- Maintain Technical Documentation
- worked in IT Team to Manage University Portal
- SQL, Python, HTML

SKILLS

Python | Computer Vision | Image Processing | Deep Learning model | Machine Learning model | Kares,Tensorflow | Html | CSS | PHP | Power Point | Microsoft office | SQL | Data Mining | Prototying | Graphics Designing

PERSONAL PROJECTS

Corn Leaf-Classification & Diseases Detection
- Corn diseases classification (3 diseases detection, RGB dataset created). Split the modelling dataset into training and testing sets at ratio (8 0 %, 20%). Create CNN Architecture using Kera's & TensorFlow. Testing Accuracy: 92%.

American Sign Language Recognition (ASL)
- Created ASL RGB Datasets. Split dataset into training and testing sets at ratio (80%, 20 %) . Create a CNN Architecture using Kera's and TensorFlow. Used Pre-Trained Model VGG16. Testing Accuracy 96%.

IMDB Movies Reviews Classification
- Collected positive, negative IMDB Dataset. Preprocess Datasets. Using Pre- Trained Word Embedding. Created LSTM and RNN structure Trained Model

Object Detection Using Yolov5
- Created custom datasets and label in yolo format using Labeling Tool. Fitting data and trained using yolov5. Save model and getting Good Accuracy

CERTIFICATES

Artificial Intelligence(Computer vision & Deep Learning
During this training program, I gained practical experience in artificial intelligence, specifically in computer vision and deep learning. I learned how to use different models, such as Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Transfer Learning, and Neural Networks, to classify images with an accuracy of up to 98%. The training will include hands-on projects, where I learned to implement advanced deep learning techniques like YOLO (You Only Look Once) for self-driving cars. This will involve identifying the main objects in images and using the Support Vector Machine (SVM) system. I was also gain hands-on experience using Python programming language and OpenCV library for image processing..

LANGUAGES

English,Urdu

Native or Bilingual Proficiency