Zain ul Abideen

Machine Learning

Phone
03117614782

E-Mail
zaiinn440@gmail.com

Location
Bahria Town Lahore

I am a Machine Learning enthusiast. I have experience in solving different real life problems with Machine Learning Algorithms. I have solved Regression, Classification, Computer Vision(Object Detection, Image Segmentation, Classification, Pose Estimation), Time Series Forecasting(Weather, Stock price prediction) and NLP(Text Generation, Sentiment Analysis). I have deep insight of RNN, GRU, CNN LSTM, Transformers(BERT, T5, GPT) and deploying them with Amazon Sagemaker. I have keen interest in neural networks and its various architectures. I am curious to learn more about Computer vision, Natural Language Processing, Time Series Forecasting, GANS and Graph Machine Learning.

Skills

- Tensorflow
- Pytorch
- Sklearn
- Opencv
- HuggingFace Spacy
- AMAZON SAGEMAKER
- Numpy, Pandas, Matplotlib, Seaborn

Languages

- Python 85%
- Java 70%
- C 65%

LinkedIn

https://www.linkedin.com/in/zain-ul-abideen-688b68213/

Education

2021- | National University of Science and Technology
Bachelor of Software Engineering (CGPA: 3.59)

2019 - 2021 | Punjab College Lahore
Higher Secondary Education(FSC)(98.4%)

Courses

Deep Learning Specialization(DeepLearning.ai)

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks
- Sequence Models

STAT 453 - Introduction to Deep Learning and Generative Models(University of Wisconsin-Madison)

Projects

- Covid Mask Detection with Yolov5 and FasterRCNN
- Stock Price Prediction with Facebook Prophet, LSTM, SARIMAX
- Sentiment Analysis with MultinomialNB and RNN
- Custom Image Segmentation(MASKRCNN) using Detectron2
- Carvana Segmentation using UNET
- Malaria Detection with Resnet50 and VGG19
- Pose Estimation with MultiPoseMoveNet
- Neural Style Transfer using TFhub
- Volume Control by Hand tracking using Mediapipe
- Mediapipe based curl counter(AI Gym tracker)
- Car Price prediction using RandomForest(Sklearn)
- Implemented EfficientNet, MobileNet, Inception, Lenet from scratch using Tensorflow and Pytorch
- Generated Mnist images using DCGAN
- Human Action Recognition with ConvLSTM and LRCN