Joel Trulin

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Summary

Skilled in Python and Oops concepts, experience in Classification, Regression and Inference using Tensoflow, Keras, Opencv, Numpy, Pandas, Scikit-learn, deep learning concepts and other python modules.

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Experience

Deep Learning Engineer

EasySynopsis

Nov 2020 - Dec 2022 (2 years 2 months)

Required dataset will be downloaded. Dataset is preprocessed to remove noise and align the data format. Feature extraction is carried out to reduce dimension. Various techniques are used depending on the need and type of data whether it is image, video or value. Required deep learning model such as NN, RNN, CNN, LSTM, Bidirectional etc are constructed using Tensorflow api. Gradient of a particular or selected layer is optimized. Nature based algorithm such as Particle Swarm optimisation, Elephant Herding optimisation, etc are used. Improved Accuracy is obtained. Regression models are also used. Advanced live Face detection projects are also done.

Project 1 Finger Print Recognition

Feature Extraction is carried out such as LBP from images. Those features are fed into CNN constructed by Keras and Tensorflow. One part of the dataset is used to train the network, while the other part is used for testing. Thus CNN recognise the given fingerprint.

2 Attack Detection

Cloud based attack detection and the type of attack are identified by hybrid NN and RNN. The data is being trained and the accuracy is measured. If attack gets detected it reject attack node.

Education

Vins Christian College of Engineering

Bachelor of Engineering - BE, Electrical, Electronics and Communications Engineering 2015 - 2019

Licenses & Certifications

HackerRank Certified Python - HackerRank 1d7bb3580d5e

Skills

Machine Learning • OpenCV • Classification and Regression using Keras &Tensoflow • Convolutional Neural Networks (CNN) • Natural Language Processing (NLP) • Deep Learning • Deep Neural Networks (DNN) • Keras • TensorFlow • Pandas