

THIRUMALAI VENKADESAN V

Data Scientist

Personal info



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Career Summary

- **Data scientist with 2+ years of experience as a freelance data scientist.** Passionate about building models that fix problems. Relevant skills include ML/DL, problem solving, and creative thinking.
- Designing supervision models for **Deep Learning** projects.

Skills

Machine Learning	●●●●●
Deep Learning	●●●●●
Python	●●●●●
OpenCV	●●●●●
HTML & CSS	●●●●●
Image & Video Processing	●●●●●
Project design & Development	●●●●●

Professional Experience

Python Developer - Deep Learning & Machine Learning & Computer vision

Nov 2019– 2020, Pantech ProEd Pvt Ltd., Coimbatore.

- Developing Machine Learning Supervision Models using **Scikit-learn** and Neural Network Models (**CNN/RNN**) using **Tf.Keras** module in **Python**.
- Developing pattern recognition algorithms (SVC), Feature Descriptors (HoG) for CV Applications.
- Developed **detecting & tracking Dlib/Cascade** models for facial parts and Objects recognition in Video Processing.
- Developed image segmentation, Real time object detection & tracking algorithms(YOLOv3 and YOLOv5).

Data Scientist-Apr 2021– Till MIRNAH TECHNOLOGY SYSTEMS LIMITED., SAUDI.

- Developed OpenCV algorithms such as RCNN, YOLO, Using Supermarket Multiple object detection.
- 3D Medical Image Segmentation Based on Multimodal U-Net,3dU-Net, V-net,3dV-net Algorithms used to predict Tumor part.
- Generating the machine learning models & Neural Network model (**CNN/LSTM**) (**SVM, KNN, Random Forest, ANN, XGBoost, LightGBM**) using Python.

Academic details

- **B.E. Electronics & Communication Engineering**
2015-2018
Graduated with 6.69 CGPA at Arjun College of Technology, Coimbatore.
- **Diploma, Electronics & Communication Engr**
2011-2014
Graduated with 78.9% at Sri Sowdambika polytechnic College, Aruppukottai.

Roles and Responsibility

- Data mining or extracting usable data from valuable data sources.
- Using machine learning tools to select features, create and optimize classifiers.
- Carrying out preprocessing of structured and unstructured data.
- Enhancing data collection procedures to include all relevant information for developing analytic systems.
- Processing, cleaning, and validating the integrity of data to be used for analysis.
- Analyzing large amounts of information to find patterns and solutions.
- Developing prediction systems and machine learning algorithms.
- Presenting results in a clear manner.
- Propose solutions and strategies to tackle business challenges.
- Collaborate with Business and IT teams.

Achievements

- Provided seminar/session to team members for knowledge sharing.
- Given Deep & Machine Learning with Python workshops and seminars in number of colleges and trained more than 100 students with excellent feedback.
- Improved the business levels by client satisfaction
- Admired by management for branch and department support.
- Completed Data analysis, resulting in a 87% increase in Accuracy.
- Conducted research using focus groups on 3 different Project and increased Efficiency due to the prediction.

Declaration

I hereby declare that the information endowed above is genuine to the best of my knowledge and belief.

(THIRUMALAIVENKADESAN V)