

Shrinivas Kandlikar

Technical Lead

To work in an environment where I can apply and enhance my knowledge and skill to serve with the best of my efforts. Having 9 + years of experience. Experience in analytics and Machine Learning .

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WORK EXPERIENCE

Technical Lead Ineuron.ai

Aug2020-Till Date (freelancer)
Hyderabad

Security Surveillance

Job Responsibilities

- Expert Knowledge of **Machine Learning Algorithms**
- Proficient with **Python programming**
- Experience of implementation using **NLP Techniques**
- Experience in creating mature data science pipelines in compassing data standardization, Feature Extraction, model validation, and optimization.
- In-depth expertise with the regression, classification, clustering, and dimensionality reduction algorithm.
- To understand the business use cases from clients and convert them into a well-defined problem statement and explain it to the development team
- To identify data sets required to develop predictive models for solving internal and external business problems
- To fill data gap by gathering data, designing annotation portal and conducting data annotation by human annotators.
- To explore data sets and identify data transformation and data quality needs for targeted applications
- To develop algorithms and predictive models to derive insights and business value from data
- Identify and implement use cases which might help the organization business development
- To interpret results and produce actionable business insights that lead to measurable business and consumer experience performance improvements
- To Operationalize, publish, and monitor successful models to shape business and data science strategy
- To partner with other departments to solve problems and identify trends and opportunities
- To define and develop the program for metrics creation, data collection, modelling, and reporting the operational performance
- To routinely communicate metrics, progresses and other key indicators to leadership.
- To lead and support various ad hoc projects, as needed, in support of Organization's Business strategy.

SKILLS

Python, R, C#.net, Machine Learning, NLP, Data Pipelines, Mongo DB, SQL Server, Computer Vision, AWS, AWS AI Services, AWS AI EC2 Instances, Django , Knowledge in Power BI, SSIS

TOOLS

Git, Pycharm, JIRA, Postman and SOAP UI

LIBRARIES

Sklearn, Numpy, Pandas, Matplotlib, Seaborn, Tensor flow, Keras,

MACHINE LEARNING

Linear Regression, Logistic Regression Decision Tree, Random Forest, KNN, SVM, Gradient Boosting, ADABOOST, XGBoost, K-Means, Hierarchical, DBSCAN. SKILLS

DEEP LEARNING

CNN, Vgg 16/19, Resnet, Inception net, Rcn, Fast Rcn, Faster Rcn, TFOD, YOLO, SSD

PROJECTS

Security surveillance

Summary: To detect various human activities such as fight detection, Attack detection, Jump detection

This implementation is based on official AlphaPose repository .In this project we have used AlphaPose for human action recognition and XGBOOST for activity recognition. This project implements "Action Recognition Using AlphaPose ".With the help of this project we can detect the human Actions/Activities based on the Human Pose.

Technology used -

Slowfast model from GluonCV, AlphaPose, XGBoost, Python

Technical Lead

HCL Technologies
Apr 2014- May 2018

Sr. Software Developer

Prithvi Consulting Pvt. Ltd
Sept 2012-Dec 2012

Sr. Software Developer

Transgraph Consulting Pvt. Ltd
Feb 2007- Oct 2012

POC - HAND DETECTION

Requirement analysis Data gathering and analysis
Annotation and data augmentation on custom images
trained multiple models and selected the right model
based on MAP Summary - Built an AI Based system
to remove the risk to the operator while operating the
shredder machine. The application stops the
shredder machine instantly, if the hand of the
operator crosses the safety zone. Roles &
Responsibilities

CONVERSATIONAL AI BOT

Use case: - The objective is to provide the answers
for the common questions raised by user/employees.
Description: - This Conversational AI bot will help in
providing he answers for some of the regular
questions asked by the employees in an organization.
Technologies: - Python, DistilBERT, EMLO.

Roles: -

- Was involved in data labelling of the data set.
- Involved in data cleaning.
- Involved in model selection.
- Involved in training various models.

SENSOR FAULT DETECTION

iNeuron Intelligence Pvt Ltd. | Sep 2021 - Present

Analyze the data sent by client in multiple batches.
Pre-process data for building the classification model.
Perform Feature engineering on the data using
python libraries like NumPy, Pandas, Seaborn,
Segmentation of data by creating Clusters using
KMeans algorithm. Train and Build the Model using
Random forest and XGBoost Analyze Model
Prediction accuracy using Classification Reports,
Confusion Matrix, AUC Score.

Technology used -

KMeans ,XGBoost, Python, MongoDB

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EDUCATION

B.E.(ECE)

Amravati University, M.S.