

Profile

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Skills

Summary: I am a self-motivated employee who has learnt and built end to end Machine Learning, Deep Learning, Computer Vision and Natural Language Processing projects.

- ⌘ **Experience** in architecting Artificial Intelligence applications with Machine Learning, Deep Learning, computer vision, NLP with Python.
- ⌘ **Machine Learning:** Algorithms include Linear Regression, Ridge Regression, Lasso Regression, Elastic-Net-Regression, SVM, Logistic Regression, KNN, Naïve-Bayes, K-means Clustering, Hierarchical Clustering, Decision Trees, Random Forest, Ada-boost, Xgboost, and many more.
- ⌘ **Deep Learning:** Algorithms include Artificial Neural Network, Convolution Neural Network, Recurrent Neural Network, Loss-function, Activation-function, Optimizer, many more.
- ⌘ **Computer Vision:** Opencv, CNN, LeNet, AlexNet, VGGNet, ResNet, R-CNN, Fast-R-CNN, Faster-R-CNN, SSD, YOLO, GAN, Depth Map, Image Depth, Image, Image Stitching and many more.
- ⌘ **Natural-Language-Processing:** Tokenization, stop word, Stemming, Lemmatization, one-hot encoding, bag-of-Word, TF-IDF, Word2vec, RNN, LSTM, bi-LSTM, encoder and decoder, Attention-Model, Transformer, BERT and many more.
- ⌘ **Skilled in libraries:** Keras, Tensorflow, Sklearn, Numpy, OpenCV, Pandas, Matplotlib and Seaborn for Data Visualization, Boto3, CUDA, and many more.
- ⌘ **Cloud Platform:** AWS, IAM, AWS Lambda, Step-function, Amazon-Sagemaker, S3, AWS Cloud9, EC2, AWS CI CD-Pipelines, ECS, ECR, Amazon Kinesis, Cloud-watch, Docker, IoT, Core MQTT, Kafka
- ⌘ **MLOps:** Git, DVC, Mlflow, CICD-Pipeline with AWS and Heroku,
- ⌘ **GPU:** Nvidia GeForce-3060, CUDA, CUDNN
- ⌘ **Deployment:** Unicorn, Daphne, Jenkins, Github-Action, AWS CICD
- ⌘ **WEB API:** Django, Flask, REACT JS
- ⌘ **Programming Languages:** Python, JavaScript, and C++
- ⌘ **IOT:** Raspberry Pi, ESP32, Arduino

Experience, Project and Education:

Employment Scan:

1. *Data scientist at Unique Computing LLC (1/6/2019 to 31/12/2019)
(internship)*
2. *Data Scientist at CITRIOT(1/1/2020 to present)*

Project Experience Summary:

1.Fire-connect: *Fire-connect is an all-in-one product suite that gets real-time data from the machines through IoT gateway and sensors. Fire-Connect can be connected with all types of machines-legacy or smart machines. the software application accompanying Fire-connect captures the data generated and translates it into visual insights.it also triggers alerts as and when there are deviations in the performance of the machines.The best part about the software application is that can be accessed remotely from any location.The data collected and optimized by fire-connect is future fed to an onboard AI Engine,CogniSense.CogniSense is an AI/ML powered Analytics Engine responsible for generating deeper insights for smart factory operations.the product helps you with operations like predictive*

Impact:*Reduction in Downtime by 92% per toolpost failure and defining the problem causing it. The fault localization was seamlessly integrated into the AI engine.*

2. Diamond Clarity Detection:*The clarity of a diamond is determined by its absence of flaws. As a critical part of diamond grading, the accepted standard for determining diamond clarity is to examine the stone using a 10X microscope along with the trained naked eye. The level of visibility, the location, and the nature of inclusions (flaws) in a diamond determine the diamond clarity grade*

Impact:*reduce time,money and manpower.*

3.Intellisense:*object-detection,object Tracking and object counting with help of this product you can make your machine smart and intelligent*

Impact:*CONVERT YOUR INDUSTRY INTO A SMART & CONNECTED INDUSTRY*

4.Personality development: *Personality is nothing but the aggregate conglomeration of memories and incidents in an individual's entire life span. Environmental factors, family background, financial conditions, genetic factors, situations and circumstances also contribute to an individual's personality.*

Impact: *it's helps you gain recognition and acceptance and improve personality*

Education:

Graduation: B.Tech(Computer Science Engineering) from Govt Engineering College Bharatpur (Rajasthan)