• CONTACT INFORMATION

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Bangalore, KA - 560066

🔏 HOBBY PROJECTS

Developed Personal ML Library

pip install juspreets1

Emoji Recommender

Student Loan Default Prediction

http://student_default_preds_iuspreetE1_i

Campaign Analysis

http://campaign_analytics.juspreet51.ir

Awards & Accomplishments

Sport Award: Mu Sigma, Sept 2021
For excellent work in delivery & team management

Andrew Ng's team coordinator
Coordinated meetups and QnA session with DeepLearning.Al team

Developed ML Algorithms From Scratch Implemented Regression and Classification algorithms from scratch in python for my python library Juspreet51

RELEVANT COURSEWORK

HoML 2nd Edition:

Hands on Machine Learning authored by Aurelien Geron

Multivariate Calculus:

A calculus book Authored by James Stewar

Machine Learning:

Andrew Ng's Coursera course

NLP Specialization:

Ongoing: Course 3 of 5 courses specialization by Deeplearning.Al

🍼 FUTURE ENDEAVORS

The Deep Learning:

hlas in a set 1 in

blog.juspreet51.in:

An effort to bring zero cost information for public

TINTEREST

Reading:

Philosophy and Literature

Blogging:

Artificial Intelligence and Machine Learning

Sports:

Boxing and Minecraft

JASPREET SINGH

TRAINEE DECISION SCIENTIST MU SIGMA BUSINESS SOLUTIONS PVT. LTD.

SUMMARY

A firm believer in learning over knowing and extreme experimentation I am passionate about working on ideas that are innovative and impactful

WORK EXPERIENCE

Random Forest Based Production Halts Reduction

Sept 2020-Jan 2021

Team Size: 11

- Assisted an aluminum conglomerate to reduce unplanned maintenance shutdown, production halts and improve equipment life cycle
- Proposed Random Forest based predictive solution lead to operational savings of over \$30MM annually in production deferral costs
- Tech Stack Used: Python, Tableau, Tensorboard, Azure DataBricks (CI/CD deployment)

Computer Vision & Deep Learning Based Brick & Mortar Store Enhancement

Oct 2019 - Feb 2020

Team Size: 3

- Understanding offline customer's behavior patterns to make better decisions in store operations (staff management, product placements, etc)
- Implemented in-store video analytics solution to deliver hourly data about customer entry, exit & in-store count, number of aisle visits, traditional checkout counter count, Scan-&-Go counters encouragement etc
- Tech Stack Used: Python, YOLO v3, OpenCv

Natural Language Processing Based Early Trends Detector

Dec 2018 - Nov

Team Size: 6

- Catching trends in market at their nascent stage
- Eliminated client's sourcing & procurement team's invisibility to unseen trends, leading to 3 fold decrease in Out-of-Stock scenarios
- Transformed solution was adopted by clients as their official banner product for 2019 Black Friday Sale
- Tech Stack Used: Python, NLTK, Tableau

SKILLS

Machine Learning:

Linear Regression, Logistic Regression, SVM, KNN, Decision Tree & Random Forest, Ensemble Models, Clustering

Deep Learning:

Neural Network, Convolutional Neural Network, Natural Language Processing **Tools**:

Pandas, Numpy, Matplotlib, Seaborn, scikit-learn, ARIMA, Prophet, TensorFlow, Keras, NLTK, OpenCV, Yolo V3, Git, Databricks, Datarobot, Azure Taskboard, IBM Blue Works, PowerBI

Deployment:

Flask & Docker

Misc

Python, SQL, Statistics & Probability

EDUCATION

Bachelor of Technology in Computer Science & Engineering
Lovely Professional University
Class XII-CBSE | Natwar Gov Multipurpose School
Class X-ICSE | Carmel Convent Senior Secondary School