♠ CONTACT INFORMATION

+91-978095-3556 +91-860271-3556

contact@juspreet51.in

blog.juspreet51.in

in linkedin.juspreet51.in

github.juspreet51.in

Bangalore, KA - 560066

🔀 HOBBY PROJECTS

JusPy: ML Framework

pip install juspy

Emoji Recommender

nttp://emoji.juspreet51.in

Student Loan Default Prediction

nttp://student-derautt-preds.juspreets1.

Campaign Analysis

http://campaign-analytics.juspreet51.in

Awards & Accomplishments

Published paper: Information Theory in Machine Learning

nttp://paper2.juspreet51.in

Developed ML Algorithms From Scratch

Implemented Regression and Classification algorithms from scratch i python

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

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

RELEVANT COURSEWORK

HoML 2nd Edition:

lands on Machine Learning authored by Aurelien Geror

Multivariate Calculus:

A calculus book Authored by James Stewar

Machine Learning:

NI D Considiration:

NLP Specialization:

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

O FUTURE ENDEAVORS

The Deep Learning:

A book by Ian Goodfellow, also called as Bible of Deep Learning

blog.juspreet51.in:

A not-for profit 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

APPRENTICE LEADER 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

DEC 2018-TILL DATE

Random Forest Based Production Halts Reduction

- 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, Scikit-Learn, Tensorboard, Azure DataBricks

Neural Networks Based Demand Forecasting

- One of the leader in asian retail industry wanted to improve their demand forecasting framework to reduce Out of Stock occurrences
- Developed Recurrent Neural Network (RNN) based demand forecast model to achieve weekly demand forecasting at Product-Store level
- Reduced Out of Stock occurrences by 6%-20% (for various categoires-SKUs), compared to per-existing predictions
- Tech Stack Used: Alteryx, Python, Keras and TensorBoard

Early Trends Detector

- Eliminated sourcing & procurement team's invisibility to unseen trends
- Developed Natural Language Processing based model lead 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:

VS Code, Flask, Azure Databricks, Azure Datalake & GCP Docker

Git, GitHub, Probability, Python, SQL, Statistics

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