CONTACT INFORMATION

- +91-978095-3556
- contact@juspreet51.in
- blog.juspreet51.in
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HOBBY PROJECTS

Developed Personal ML Library
pip install juspreet51

Emoji Recommender
http://project4.juspreet51.in

Student Loan Default Prediction
http://student_default_preds.juspreet51.in

Campaign Analysis
http://campaign_analytics.juspreet51.in

Awards & Accomplishments

Published paper: Information Theory in Machine Learning
http://paper2.juspreet51.in

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

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

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

RELEVANT COURSEWORK

HoML 2nd Edition:
Hands on Machine Learning authored by Aurelien Geron

Multivariate Calculus:
A calculus book Authored by James Stewart

Machine Learning:
Andrew Ng's Coursera course

NLP Specialization:
Ongoing: Course 3 of 5 courses specialization by Deeplearning.AI

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

INTEREST

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

Data Governance Setup For Global Leader in BFSI

Jan 2021 – Currently   Team Size: 11

- A global leader in BFSI was having troubles regarding enhancing their data environment to be in compliant with GDPR regulations and CDMP compliant
- Assisted client in BFSI to setup GDPR & CDMP compliant Data Governance business practices and data integrity
- Tech Stack Used: IBM Blueworks

Early Trends Detector

Dec 2018 – Nov   Team Size: 6

- 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:
Flask & Docker

Misc:
Git, 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