

**CONTACT INFORMATION**

- +91-978095-3556
- contact@juspreet51.in
- blog.juspreet51.in
- linkedin.juspreet51.in
- github.juspreet51.in
- Bangalore, KA - 560066

**HOBBY PROJECTS**

- JusPy: ML Framework**  
pip install juspy
- 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
- 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**