

DELAN JONTY PERIERA

Senior Software Engineer- AI/ML

PROFILE

Machine Learning Engineer with **2.9 years** of experience in the field of **data science** and **engineering**, with a passion to solve Engineering problems with **advanced machine learning, artificial intelligence, and data analytics** technology. Working experience in creating intelligent statistical models to help solve business in credit, customer experience and automation, moreover, involved in programming script for **data augmentation, data mining** and developing deploying **web application** to support and deliver machine learning solution.

TECHNICAL SKILLS

ML Libraries	Pandas Numpy Pyspark Transformers Flair Spacy Gensim
Data Visualization	Plotly Mathplotlib seaborn Tableau
Modelling	Pytorch Keras Numpy pyspark
ML Algorithms	Random forest LTR ANN SVM Boosting Siamese networks face detection entity recognition
Development frameworks and libraries	Django Flask Python Poetry Devspace Elastic Search SQL GraphQL Android studio
Cloud services	AWS Sagemaker AWS EC2 Athena Cloudwatch Azure VM Azure ML
Deployment tools	Docker Kubernetes Garden elastic search Makefile poetry

EXPERIENCE AND RESPONSIBILITIES

Senior Software Engineer (AI/ML), *Mindtree Ltd*

July 2020 - Present

- Setting expectations and **coordinating with clients**
- **Developing baselines**, scoring matrices & code quality
- **Presenting** new concepts and implementations to stake holders in team seminars and companywide town halls
- Preside over various technical **interview panels**
- **AWARDS:** Spot-on Mastermind 2021

Software Engineer (AI/ML), *Mindtree Ltd*

Oct 2018 – July 2020

- Solution recommendations
- Exhaustive **research**
- **Leading** smaller proof of concept works (teams of 4)
- **AWARDS:** Finalist OSMOSIS

PROJECTS

Peer Recommendation System (Live)

Skills: Python, LTR, BERT, Elastic search, Aws, pyspark, Flack, Docker, Git

Developed **high quality** Peer recommendation system, which is a **champion offering**, also featuring in **The Economic times article**. Scalable and intelligent software designed for **SME lending** clients, it uses innovative approach from “**learning to rank**” paper and **BERT**, to learn a **statistical model** that can understand compare company details such as description, **financials**, sector to suggest companies closest to the subject of credit analysis.

Intelligent Document Search (Live)

Skills: Python, BERT, TFIDF, spacy-NER, Flack, Docker, Git

This system was developed for client in **banking space**. This product can analyse any **financial document** and is used to search and locate important segments in the document corresponding to the **search term**. The project uses **NLP** techniques, **NER** and is implemented using flask. I have been involved in this product from its conception to delivery.

Company Classifier

Skills: Python, BERT, Classification modelling, data collection, Git, Docker, Aws

Company rating prediction using boosting models, including designing data pipelines to extract financial data from various vendors (**ETL**). This model enables SME companies with no official **company rating** to be classified based on the **financials**. This helps analyst to get an estimate of the companies’ **creditworthiness**. My role included developing the **ETL pipeline**, designing and developing of **predictive classifiers**.

Face scoring

Skills: Python, Android, VGG19, data collection, Git

Supervised social media image scoring application to showcase the face recognition capabilities of AI, using **CNN**, **feature engineering** and **augmentation techniques**, fine **tuning VGG19** and generating continues scores, with experimental **generative adversarial network** to generate additional data point.

EDUCATION

Nitte Meenakshi Institute of Technology, *Bangalore*

Bachelor’s in computer science and engineering, with **8.5 CGPA**

Award winning Project on Natural Language Processing.

Captain of college handball team. Represented in state level matches

CERTIFICATIONS

Convolutional Neural Networks certificate deeplearning.ai (JCP96W6FA6JZ)	2019
Neural Networks and Deep Learning certificate deeplearning.ai (LMCGJUHW6PV3)	2019
Sequence Models certificate deeplearning.ai (9NSHH692RVJK)	2020

PERSONAL DETAILS

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