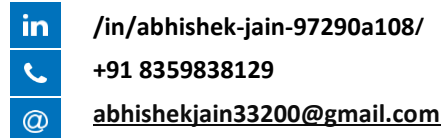


Abhishek Jain

Data Scientist



Career Summary:

- I am a data science professional with experience in data analysis, machine learning, NLP and Chatbot. I am passionate about data and its potential to impact business decisions.
- Collaborate with various teams on new product features and improvements of existing products.
- Participate in developing and reviewing code, design documents, use case reviews.
- Help innovate, identify problems, recommend solutions, and perform triage in a collaborative team.
- Strong experience of ML techniques, algorithms, and CNN, RNN, LSTM, Transformers (BERT)

Skills & Technologies:

Languages - Python, PySpark, SQL.

ML Algorithms - Linear Regression, Logistic Regression, SVM, Decision Tree, Random Forest, KNN, K-Means.

Advanced Skills - Deep Learning, NLP, BERT, Bio Bert, Chatbot, Statistical Analysis, predictive Analysis, Feature Engineering.

Cloud & tech - AWS (LEX, Lambda, EC2, CloudWatch, S3), Azure (ADLS, DataBricks, ADF, DevOps), Linux.

ML Library - SKLearn, Pandas, NumPy, TensorFlow, Keras, NLTK, Spacy, HuggingFace, TextBlob, Genism.

Tools - VS-Code, GIT, Eclipse, Postman, Heidi SQL, Cygwin, MS-Excel, SVN, JIRA.

Exposure - Langchain, MLOPS.

Education:

Bachelor of Engineering, Gyan Ganga Collage of Technology

2016 | Jabalpur

Professional Experience:

Data Scientist, Fractal Analytics

July 2021 - Present | Bangalore

Business intelligent chatbot (client - Schneider Electric) -

- Implement chatbot using amazon lex and responsible for Bot Training, validation, and monitoring performance of the Bot. Used AWS Services for model training, custom logics, and model deployment.
- Trained AWS LEX for intent detection. And bot based on NLP model intent detection.
- Experiment data performance on various NLP embedding technique like Bert and other transformer-based technique.

Digital Driver based Planning (client - Philips Healthcare) -

- Predicting P&L cost based on hierarchal data based on historical sales and COST for different cycle like AOP, FC, and LV, Used ML Regressor Algorithm to predict the cost.
- Used Azure services like Databricks using PySpark, ADF to create data model and model training, model deployment.

Smart ReaderAI (client - Philips Healthcare) -

- Created Smart Reader AI model for dashboard Design on standard clinical segment Tagging of Philips product and options. Used Azure services, Python to extract data from Wikipedia, finetuned **BioBERT** for clinical segmentation of products. Experiment SparkNLP, BERT, Transformers Library used HuggingFace, Spacy.
- Responsible to different NLP model experimentation and BOT training, deployment and monitoring, Including text mining, tokenization, processing.
- Having experience of NGRAMs, Lemmatization and stemming, and various other NLP text cleaning steps
- Experimented NLP standard model to improve accuracy and created PowerBI dashboard.

Data Scientist, Simplify360

October 2019 - June 2021 | Bangalore

Social Media Tagging Dashboard -

- Creating word embedding models using Bert and fasttext and deployed to server to custom tagging of social media custom comment based on predefined category to autoreply to handle customer query.
- Used Python and AWS (EC2, S3) for storage, Text mining, Model Training, Flask API hosting.
- Experimentation and implementation using various technique **Word2vec, Fasttext, BERT, Transformers Library used HuggingFace, Spacy, Genism, NLTK.**
- Having experience of NGRAMs, Lemmatization and stemming, and various other NLP text cleaning steps
- Experimented NLP standard model to improve accuracy and created PowerBI dashboard.

Sentiment Analysis for Simplify360 tool-

- Finetune Bert word embedding model for sentiment analysis. Created sentiment analysis dashboard to categorizing customer's social comment on Simplify360 Dashboard.
- Responsible for deploying NLP model on API, model monitoring.

Senior Data Analyst, Capgemini**May 2017 - March 2019 | Bangalore**

- NLP Intend detection, Channel Spell correction. Detect user message intent and reply based on intent of the message on WhatsApp. Channel Spell correction Model development and deployment.
- Worked as a Machine Learning engineer and design model that can predict future cancellation of finance product, so we can focus on those account who have cancellation prediction.

Certifications:

- NLP Training from Analytics Vidya.
- Deep Learning Training and certification from Edureka.