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Sex: Male | Date of Birth: 6th February, 1990 | Nationality: Indian

## DESIRED POSITION

Lead Machine Learning Engineer, Sr. Machine Learning Engineer, Senior Data Scientist

## SYNOPSIS

- Senior Machine Learning Engineer with close to 9 years of experience in Data science and Core Software Development in IT Industry
- Strong exposure to data science and analytics including statistical analysis, predictive modelling, machine-learning, clustering/classification techniques and algorithms as well as analysis /manipulation of large data sets
- Expertise in Natural Language Processing for extracting content from discussions and messages
- End-to-end development of ML/DL models, starting with data tagging to deploying to model in live product using docker.
- Attained proficiency at Data pre-processing and text extraction, building robust Machine learning, Deep learning models, Neural Networks using Tensor Flow, Pytorch
- Deep knowledge of math, probability, statistics and algorithms
- Familiarity with AWS services like S3, DynamoDB, EC2
- Adroit in E2E SDLC with using languages, tools, and technologies like Node.js, C, Python, Mat Lab, Octave, Java, SQL, etc.

## TECHNICAL FORTE

Programming Languages:	C, Python, Matlab, Octave, Java
Analytics Software Tool	Scikit Learn, DataFrame, Numpy, Pandas, Matplotlib, Keras
Web Development	Node.js
Database systems	Mongo DB, Neo4J, SQL, MySQL, ElasticSearch
Deep Learning Algorithms	Transformers, LSTM, CNN, BERT, Attention Models, gpt-3
Others	Probability and Statistics, Linear Algebra, AWS

## SKILL SETS

Data Extraction & Analysis | Natural Language Processing | Data Modelling | Machine Learning Techniques | Deep Learning | Artificial Intelligence | Neural Networks | Software Development Life Cycle | Team coordination | Query Management | Requirement Gathering & Analysis | Project Management |

## WORK EXPERIENCE

Jan 2019 - Present

Organization

Technologies used

Key Result Area

**Senior Machine Learning Engineer**

**CloudSEK, India**

Bert model, BRAT, light tag, neo4j, Attention Networks, Flair model, Flair word embedding, Attention Networks, glove word embedding, Keras, tensor board, gpt3

- Created a model from scratch to extract custom entities related to our use case. The model can extract 8 key entities from text and is deployed and working in the live product.
- Create a model to detect Fraud and hacks mentioned in open world discussion and message data. The role of the model is to identify impactful cases for our clients and bring them to their knowledge.
- Created a model to segregate different text into different buckets and provide them as a tag for user to easily identify different categories of threat impacting them.
- Created models for social media monitoring, checking and reporting profiles that are try to impersonate our clients on social media platforms.

Aug 2016 – Jan 2019

Organization

Techniques & Technologies

**Machine Learning Engineer**

**CISCO Systems, India**

Machine Learning, Neural Networks, tf-idf, Naïve Bayes, Python, Mongo DB, Tag generator, BOW, node.js, Cross-Validation, Grid Search, Randomized Grid Search, Bayes Optimization, XGBoost, perceptron, Random Forest

Key Result Area	<ul style="list-style-type: none"> <li>• Significant in wide gamut of tasks entailing – Changed Based Testing which involves resolving industry problems in Networking, mapping the relevant test cases went into the release based on the bug fixes, extracting useful data from logs / release description and mapping the closely related documents as well</li> <li>• Deft at recommending feeds to the users based on their interests, and activities</li> <li>• Assisted for a recommendation system in an Idea submission portal where the industrial problems are given solutions, idea is built into a product, users can post and follow other ideators, etc.</li> <li>• Predicted potential client data to renew licenses for Cisco Products, de-normalized data from different systems, cleaned and pre-processed for applying Machine Learning algorithms</li> </ul>
Feb 2012 - Jun 2014	<b>Software Engineer   Technologies used: SQL, shell script</b> <b>TCS, India</b> <ul style="list-style-type: none"> <li>• Worked for Deutsche Bank Support Project in the Testing Environment Service (TES) team</li> <li>• Worked on the product which was helpful to analyse Market data, and make future predictions</li> <li>• Configured application data to be used by Volumetrix application to showcase categorized data based on various parameters, and user requirement standards</li> <li>• Automated manual application tasks through batch and PL/SQL scripts for reduction in manual errors, and decrease in work load</li> <li>• Automated the Web Logic environment setup by using Web Logic Scripting Tool (WLST)</li> </ul>
Organization	
Key Result Area	
EDUCATION	
2014-2016	<ul style="list-style-type: none"> <li>• Master of Technology in Data Science from International Institute of Information Technology, India</li> </ul>
2007-2011	<ul style="list-style-type: none"> <li>• Bachelor of Engineering in Computer Science Engineering from Maulana Abul Kalam Azad University of Technology, India</li> </ul>
INTERNSHIP	Cisco System, India   Intern   Jan 2016 – Jun 2016