

Abhishek Singh Rathore

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SUMMARY

An adept data scientist with excellent track record of solving complex business problems using analytics. Proficient in Artificial Intelligence concepts, visualization and story-telling. Creating a business sense from the raw data inspires me

EDUCATION

- 2015 – 2016 **PGPM (Analytics & Operation research)**
Great Lakes Institute of Management, Chennai
- 2007 – 2011 **B Tech- Energy Engineering**
National Institute of Technology, Bhopal, India

WORK EXPERIENCE

- 2019-present **Senior Consultant (Data Scientist II)**
Kantar Analytics Practice
As a part of Research and Development team of Kantar Analytics Practice, I work on deep learning projects. R&D team investigates various value propositions offered by the Kantar and explore the scope of using deep learning to improve both accuracy and spread of the offerings
Major project is 'Content Analysis' on video ads, which involves feature creation, training of neural networks and scoring of ads. This extremely novel solution has been appreciated a lot by clients
- 2017 – 2019 **Lead – Analytics Consulting**
Fidelity Investments
My Role as a Lead is to communicate with different business leaders and discuss about the problems they are facing and then to solve them using Machine Learning/ Analytics. The delivery of solutions varies from a working tool to a descriptive dashboard depending upon the business case. Few of the projects are mentioned below

Customer conversation analysis using AI, this project involved extraction of voice features like tone, pitch as well as text mining to get insights. Used CNN for emotion classification on voice and NLP techniques like sentiment analysis, information extraction etc

SKILLS

Python
R
NLP
SQL
Statistics
Keras
Tableau
Flask
Deep Learning

CERTIFICATIONS & ACHIEVEMENTS

Award in Kantar for building AI based content effectiveness predictor

Award in Fidelity for a Machine Learning project

Neural Networks and Deep Learning by Deeplearning.ai (Coursera)

2019- Rank 17 in Machine Learning hackathon conducted by skillenza

2018- Rank 77/3557 in a Machine learning competition conducted by Hackerearth

2016-17-scored under 100 twice and under 50 once in Analytics Vidhya data science competitions.

2015-Scored 3rd position in Leagile-15- a competition of operation Management at SJMSOM-IIT Mumbai.

Co-founded a society for social service in NIT Bhopal and worked as volunteer in an NGO to teach robotics to kids

Using Machine Learning methods of topic modelling for reviews to identify key reasons of dissatisfaction of customers from their feedback

Developed end to end (model making/ productizing it using Flask App and deploying it on cloud-based machine) solution for a text classification problem. This project was very much appreciated and bagged me an award. This project is a clear example of how Machine Learning could be productized

Creating a classification model to predict risk level in change ticket, this includes NLP to allocate a similarity score between tickets as well as feature creation for the predictive model. The end result is a risk probability for a ticket depending upon multiple parameters

Mentoring two interns (MBA grads) for two projects.

To use Natural language processing and to create a feature extraction algorithm

To create a classification model to identify intend of the conversation

2016 – 2017

Data Scientist

Crayon Data (I) Ltd

At Crayon, my work was to create a taste graph for customers of a major Indian private bank and to help them personalize their credit card campaigns. I created a taste graph for each of the customer and then created a recommendation engine to recommend personalized offers depending upon the taste of the customer. The taste graph was built using machine learning algorithm with a scope of auto learning based upon the customer interaction(s). Glimpse of my projects are as follows

- Classification of reviews using Natural language processing (NLP), working with python-NLTK/Spacy
- Classification models to ensemble the outputs of different
- algorithms
- Making recommendation models using our own patented
- algorithms
- Taking location data of ATMs and merchants and making
- Geo distance-based clusters to provide nearby offers to customers

2016– present

Freelancing – Data Science trainer

Machine Learning with R: class at Besant technologies, Chennai

Tableau training for Ken and Headway, Chennai

Conducted Deep learning classes for Acadgild in Chennai

Data Science Trainer at IMS ProSchool

Data Science Trainer at Imarticus Learning (Currently working)

2011 – 2015

Assistant Manager

Reliance Infrastructure Ltd

Leading a team of 20 engineers(contractors) for planning and execution of commissioning activities, (including Chinese engineers).

Planning and forecasting of materials requirement taking in account the project plan as well as material consumption pattern