

CH HARISH KUMAR

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Executive Summary:

Experienced DataScientist/ML Engineer with Demonstrated History of Working In FinTech and Research field with Applying Statistics and Deep Learning ,Machine Learning ,NLP for Solving Problems of Business..

Technical Skills:

- Experience on Python.
- PdftoText Extraction frameworks(pdftika,pdfplumber,ect.)
- Expertised in Conversational AI platform (RASA).
- GATE(General Architecture for Text Engineering)
- Experience on Flask and Django Frameworks.
- Expertised in Natural Language Processing.
- Expertised In ML and DL with Tensorflow or Keras or Scikit Learn.
- Exposure on Cloud Platform AWS. Version Control Software tools: git,svn,pachyderm.
- Experience On Data Engineering kafka ,pyspark.
- Proficiency in Databases(Mysql,Mongo,Vertica)
- Experience on Kubernative for Machine learning.

Education

- 1.B.Tech in ECE -- CGPA 7.6, IIIT Basara(2013-2017).
- 2.PUC(Pre-University Course) CGPA 7.2 ,IIIT Basara(2011-2013).
- 3.S.S.C (Govt High School) -> 91.5 %

Employment

Roles:-

Ness Digital Engineering (Crisil Onsite)

- DataScientist --- 2020- Present

Alpha Labs Founded by Achala IT Solutions.

- DataScientist -- 1 year 4 months (2018-2019 DEC)

Way2online Interactive India Pvt Ltd.

- Product Engineer(ML Engineer) -- 1 year (2017-2018)

Projects/Products:-

Client Obligor Mapping :

- Project Goal Is to map the Obligor with CAPIQ Data Using DataScience.
- Historical Mapping from Business Team Was Used for Preparing Data.
- We make this as a Binary Classification Problem of Mapping right Obligor.
- Along with Obligor Name we used geographical location and sector for analysis.

Knowledge Graph and hierarchial Feature Extraction

- (Along with tfidf and word2vec) Node2vec,DeepWalk used for feature extraction.
- Improving Modeling using Hierachial weightage .

Technologies Used :

- Apache Kafka with Knative Eventing Used for processing large request base.

Performance Improvements Using Unsupervised ML Technique.

- We faced the problem with Cosine Similarity Caluculation with 10M + records on serving face took 5-6 seconds.
- Business required for 1 seconds Used Kmean Clustering On 10 M + records of TFIDF vectors to split similar groups.
- Kelbow Visualizer Used for Automatic Selection of K value.

Sector Classification and Capex Entity Extraction

- Level2(70+ Imbalanced) sector classification of research news.
- NLP Based Text Classification technique used(Deep learning method).
- Keras backed tensorflow was used for model buildings Domain specific knowledge used for training/learning DL model.
- Stanford NER and Custom Entity Extraction **CRF** model Used along with spacy.
- Semantic search service using Bert-as-Service pretrained model added as feature.

FinDash Anomaly Detection:

- Project Goal is to Identify outliers in Findash Application.
- Department level outlayer reporting with ML modeling,statistics.
- Isolation forest algorithm used.

Conversation Engine (CHATBOT WITH RASA) FOR FINTECH CLIENT.

Recommendation Engine module Way2news Product.

Contributions :-

User Profile building using likes ,views,comments and article person usability.
Recommending the post which has a good recommendations to the user.
content based and User based recommended methods used.