Pratiksha Sharma

Senior Manager, Morgan Stanley
ML & NLP Engineer

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https://github.com/Pratiksha29

Profile

NLP & ML Engineer with 9+ years of experience in building end to end scalable data science solutions in Finance and Healthcare domain. Extensive hands on in NLP & ML problems for : Improving Search results, Generating recommendations, creating Virtual Assistants , Question & Answering systems etc.
Also responsible for managing team for 4-5 members along with contributing as an individual developer.

Experience

Senior Manager, Morgan Stanley, Bangalore | 2018–Present

Virtual Assistant	Responsible for end to end development of conversational system for Financial Advisors
Evaluation & Improvement	Responsible for designing and developing end to end processes for evaluation , annotation , new features for Virtual Assistants
Recommendation Engine	Created recommendation engine to identify right set of news articles for users on Morgan Stanley Online Site
Trading Behaviour Analysis	Analysing trading behaviour of Financial Advisors w.r.t. market movement
Intent Model	Created Intent Model for understanding user Intent in chatbot (using Logistic regression Model)
Clustering similar questions	Identified new questions using the K Means clustering algorithm on prod data to improve the performance of VA
Creating VAs using Open AI	Working with building automatic generation of answers using da vinci model in GPT3

Senior Associate, Publicis Sapient, Bangalore | 2014-2018

KaaS	Created a semantic query engine using Elastic Search for improving search results for Question & answering system. Created a data ingesting NLP Preprocessing pipeline for this query engine using Apache NiFi and REST APIs
Sentiment Analysis	Developed classification engine for identifying sentiments for different users based on product reviews
Document Classification	Have worked on classifying documents based on their content using ML & semantic Web (ontology) related technologies.

Education   B.Tech, IT [2010-2014] : Vellore Institute of Technology (VIT University)
CGPA : 9.07/10

Skills

Programming Languages	Python & Flask, Java & Spring Boot
Database	MarkLogic, SQL, Neo4j, MongoDB
ML & DL	Supervised and Unsupervised Learning & Model Evaluation Tensorflow, PyTorch, sklearn, CNN, RNN, Regression, MLOps, GAN , LSTM , Transformers
NLP	Spacy, NLTK, Standford CoreNLP , Ontology, Semantic Web, SPARQL, RDF/OWL, Apapche Jena
Cloud	Azure , AWS , GCP
Search Technologies	Solr, Elastic Search , Lucene

Extra Curricular   **Speaker @Grace Hopper Conference , Bangalore 2019**
Spoke about "Advance Deep Learning Applications in Finance Domain"

Toastmasters Officers Committee Member
Member of Toastmasters International Chapter since October 2018 and now active member of Toastmasters Officers Committee

Active Squash and Badminton player

Active Volunteer at Karunashraya Bangalore