MANPREET KAUR

@ manpreetkaur_120@yahoo.com   📞 9877864120

WORK EXPERIENCE

Tata Consultancy Services   **09/2017 - Present**
- Consultancy : Worked with Horizontal IOU to built AI capabilities for verticals(Government, Healthcare, Banking, Airlines).
- Big Win: Multiple POC's for clients ended up getting converted to Full-fledged Data Science Project

PROJECTS

Health Authority Questionaire
Objective : To evaluate fitment of cognitive solution so as to improve response quality to HA queries within time.
- Extraction : Text Mining from HA documents using NLP and HRM.
- Search : Question Response Automation using ML Algorithms.
- Tools : Python,Pandas,NLP,NLTK,SpaCy,Machine Learning,MongoDB.

Regulatory Intelligence
Objective : To build a cognitive search on regulatory information acquired through dynamic crawling.
- Crawling : Designed and Developed a web crawler that will harvest the data from different websites and ingest into MongoDB and Solr.
- Search : Applying Nlp Techniques for Query reformulation and providing solr based smart search.
- Tools : Python,Selenium,BeautifulSoup,SpaCy,Solr,Flask.

Automation Ticketing System
Objective : Developed the model for systematically capturing tickets and categorizing them correctly for proper management of incidents leading to quicker resolution.
- Tools : Python,NLP,Machine learning

360 profile of a person/incidence
Objective : To automate Data Acquisition process to build 360 profile.
- Social Media Analysis : Crawling different Social media websites like Twitter,Youtube,Facebook,Instagram through different API's available and different web crawling Techniques and applying Sentiment analysis using Textblob and ML models.
- Web Scraping : Crawling different News websites like Economic Times using BeautifulSoup and Selenium.
- NLP : Performed NER on different documents provided by customers.

Contextual Sentiment Analysis
Objective : To monitor and analyse social phenomena using Machine Learning/Deep Learning and Open source Libraries.
- Tools : Python,Textblob,Vader,Machine learning,Deep Learning

Airline Fare Prediction
Objective : Developed Regression model to predict fare of the flights for different carriers.
- Tools : Python,Machine learning

EDUCATION

Bachelor in Technology(CSE)
CGPA : 9.12
GNDU, 2013-2017

PG Diploma in Applied Statistics
IGNOU (Distance Learning)
02/2020 - Present

Class XII
Percentage : 85.8%
M.G.N. Public School, 2012-2013

Class X
CGPA : 10
M.G.N. Public School, 2010-2011

SKILLS

Python   Solr   Flask

Web Crawling   NLP   SpaCy

Machine Learning   Deep Learning

SQL   MongoDB   HBase   Hive

C   C++   Java

LANGUAGES

- ENGLISH
- HINDI
- PUNJABI

AWARDS

- Selected in TCS - Digital Profile
- ILP Kudos Award for Proactivness in Learning and Enhancing knowledge