Rajat Pitliya

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Professional Experience

Internship | NLP Engineer | Osswal Infosystem, Indore
March' 21 - April' 21

- Worked on a **chatbot** to add it as a feature on the **SAP Business One** software.
- Created the chatbot on the **flask web framework** and connected it with the database using **pyodbc** module to run **sql queries**.
- Implemented various **regular expression** methods to extract useful information with specific patterns from the user input.

Projects Undertaken

Automated Creation of Google Account :

- Used **selenium** webdriver**, pyaudio , speech recognition** to create a gmail bot.
- Selenium interacted with **html elements** on the webpage.
- Pyaudio was used to take an **audio input** from the **microphone** for the otp (one time password) .
- Converted the **speech to text** using the speech recognition module.

Customers Segmentation Using Cluster Analysis :

- Objective was to **group the customers** on the basis of characteristics.
- Applied cluster algorithms like **k-means** and **hierarchical clustering**.
- **Inspected the clusters plot** and found out the characteristics of the customers as - **standard, sensible, careless, careful and target.**

Predicting Product Sales Through Ads on the Social Networking Sites :

- Objective was to predict whether a customer will buy a product after watching the ad on social networking sites.
- Implemented various **supervised classification algorithms** such as **logistic regression, KNN, SVM, Decision Tree, Random Forest, Naive Bayes.**
- **Accuracy** of all the models was **around 90 %**.

Online Courses Completed on Edx and Udemy

- **Data Science** Course 2020 : Complete Data Science Bootcamp
- **Machine Learning** with Python : A Practical Introduction
- The Complete **Tableau** Bootcamp for Data Visualization
- **SQL** for Data Science.

Education
IIT Bombay   July' 17 - May' 21
Degree - BTech
Branch - Mechanical

Scholastic Achievements
Air **731** in JEE Advanced 2017.
Air **156** in JEE Mains 2017.

Skills
Machine Learning
Natural Language Processing
Data Preprocessing
Data Visualization
Object Oriented Programming
Regular Expressions
Web Scraping
Deep Learning

Languages and Aptitudes
Problem Solving, Python, SQl , HTML, Tableau, CSS, Jupyter Notebook, MongoDB, Microsoft SQL Server, MySQL Workbench

Third Party Libraries
Numpy , Pandas , Matplotlib Scikit-learn , Selenium , NLTK, pyaudio,Pyodbc , Flask , Django, Scrapy

Coding Achievements
Hackerrank 5 star (Gold Badge) in both **Python** and **Problem Solving**.

Extra-Curriculars
- Completed **80 hours** of community service as a **NSS Vikas Volunteer** at IIT Bombay .
- Represented My District at Division level Ujjain as a Chess Player in class 8th .

Interests
Football, Chess, PC games