**AKSHATA GUTTI**

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**Objective:** Having 3 Years of Experience in Information Technology, specifically in Machine Learning Domain. Working for last 3 Years in Designing, Implementing and Managing machine learning models. Excellent reputation for resolving problems, improving customer satisfaction, and driving overall operational improvements. Consistently saved costs while increasing profits.

**Technical Skills:**

* Language: Python
* Data Cleansing and Exploratory Data Analysis.
* Supervised machine learning algorithms such as Logistic regression, Decision Tree, Random Forests, SVM, Naïve Bayes and Gradient Boosting.
* Unsupervised machine learning algorithms such as K-Means technique and hierarchical clustering.
* Django and Flask Frame work (web services).
* Numpy, Scipy, Pandas, matplotlib.
* Elasticsearch, MySQL and solr.
* Model Building using Supervised and unsupervised ML algorithms
* Kafka, Kibana and Tabula.

**PROFESSIONAL SUMMARY**

* Understanding business objectives and developing models that help to achieve them, along with metrics to track their progress.
* Good experience in End-To-End full life cycle of Project Implementations.
* Data streaming from different source such as Twitter, RSS and Blog.
* Automating the repetitive manual process of software recommendation to the customers globally, using Machine Learning and Natural language Processing.
* Designing the module to process various request and Generate responses using REST API.
* Implementation and deployment of systems used for Data Collection and Preparation, Training and Evaluating the model.
* Design lean proofs of concepts (POC) to answer targeted business questions.
* Experience in developing highly multi-threaded highly scalable, concurrent applications.
* Steaming data from different source.
* Extract the text from PDF and Image using Opencv and Tesseract.

**Work Experience:**

* Having overall 3 years of experience in IT industry as a python developer, working on design and development of web services and application.
* Experienced in developing Django Framework based web applications.
* Experienced in developing Machine Learning Models (DBSCAN, SVM, NLP).
* Streaming the data from Twitter and URLS
* Experienced in Python 2.7 scripting language. Using Elasticsearch and Advance Python to build the application.
* Built the Email framework (send the mails, download the attachments and deleting mails from the mail server)

**Internship Project:**

**Title: Finding Shortest Path between two nodes.**

**Client: Airbus India**

In Python project I worked on finding the shortest path between source and destination

Here I am using the Djistra Algorithm to find the shortest path using the create node and vertices. And reading the source and destination data from text file and distance from xml file.

**Python Project Code (**[**https://github.com/AkshataGutti/PythonProject**](https://github.com/AkshataGutti/PythonProject) **)**

**Datamatics Project:**

**Polling Prediction Project (sentiment Analysis):**

Inthis project, streaming the data from different source such as twitter, RSS and blog. Data is related any politics, then applied sentiment to predict required result. And visualizes in kibana dashboard. Here we applied NLP technic and then applied classification algorithms. (Kafka , Elasticsearch, pyspark)

**Email sentiment analysis:**

In this project, streaming emails from server using poplib, imaplib and smtp libraries, identify adverse mails from the outlook and forward to another mail id based on the sentiment analysis and deleting from main email server. (Sentiment analysis).

**Email analysis\_II(Data Extraction):**

In this project, Find the attachments, it’s may me readable PDF, non-readable PDF, CSV and excel. In the case of non-readable PDF, we Converted the pdf data to xml format because it’s easy to get the position of data then we applied the clustering Algorithm. Then extract data based on requirement. (OCR, DBSCAN).

**Text Classification:**

Inthis project, we used the Naïve Bayes algorithm to classified the document. And we also worked on NLP technic to remove stop words, count Vector, label encoding technics, scapy and beautiful soap and we also work on, Extraction of text from the data and using techniques like NER extraction by spacy model.

**API Creation:**

API creationusing Django and Flask framework.

**Git Code:**

* Topic Modeling using genism library: <https://github.com/Akshathagutti/Toipc_modeling>
* Scrape Covid Live data is store in elastic search database and visualization in Kibana. <https://github.com/Akshathagutti/scrapyAndVisualization_python>
* Bangalore House Prediction : <https://github.com/Akshathagutti/LinearRegression>
* In this project , I am using Linear Regression algorithm, outlier , one hot encoding,

Feature scaling and Pandas etc.

* Spam Classification : <https://github.com/Akshathagutti/spamClassification>
  + Here I am implementing spam classification using Python, NLP and Naïve bayes.
* My Article publication link is <https://medium.com/@akshatag29>

**Webservice**:

• Worked on pre-deployment steps and post deployment steps

• Used REST API for integration using Django frame work.

**AWARD:**

Awarded with Appreciation certificate for best performance in the project and best understanding the requirement from client.

**ACADEMIC DETAILS:**

Icompleted M.Tech in Computer Network Engineering at Nitte Meenakshi Institute of Technology with 74%. And BE in Electronics and Communication Engineering with 64.27%.

**EMPLOYMENT HISTORY:**

Currently designated as **“Python Developer”** in **Datamatics Global Services Limited,** from Nov 2018 to till date. And I worked in **Altran India** as Intern.

I hereby declare that the above information is true to the best of my knowledge.

**Date:** 07/04/2021

Place: Bangalore

**Yours Sincerely,**

(**Akshata Gutti**)