**CHETANSHI RAJPOOT**

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**Noida, 201301**

A highly motivated python and machine learning developer almost **6 Years** of experience in Python/ML/NLP/data analytic profile.

**Key Highlights:**

* Experience in development of projects on Predictive Modeling, Text Mining, Machine Learning and Failure Prediction.
* Expertise in **Python** like **Pandas.**
* Good knowledge of **Machine Learning**.
* Knowledge in **NLP** like Text Mining.
* Good knowledge of **AWS environment.**

**Case-Studies:** 1**.** Sentiment Analysis with Twitter dataset and code.

2. Resume parser using Python and NLP.

**Technical Portfolio:**

Python Packages : Pandas, NumPy, sklearn, SciPy, os, sys, datetime, matplotlib etc.

Machine Learning algorithms: SVM, K-Means, ARM, Random Forest, Logistic Regression, Linear Regression, Cox-PH (Survival Analysis), VAR Model (Multivariate Time Series), Forecasting, Dimensionality Reduction Techniques.

Statistics : Variance, Standard Deviation, Covariance, Correlation, Cosine Similarity.

Operating System : Ubuntu, UNIX, Windows OS, Android.

Programming Languages : Python, C++ and Java.

Databases : MySQL

Development Tools : G-Editor, VI Editor, Eclipse and Android Studio, Spyder, PyCharm

Open-Source Library : OpenCV

Additional Skills : Confusion Matrix, Precision, Recall, K-Fold Cross Validation,

AWS Skills : Lambda & S3

**Education:**

* Completed B.Tech. (Computer Science and Engineering) in **2012** with an aggregate of **72.66%** from Kamla Nehru Institute of Physical Sciences, Sultanpur.
* Passed Higher Secondary in **2007**.
* Passed High School in **2005**.

**Project Details:**

1. **MERCK: RWDEx.**

The real-world data exchange is next generation clod-based analytics platform that will transform how Merck manages, analyses and shares Real World Data and evidence.

RWDEx was built on AWS and leverages Amazon Redshift.

Integral part of the RWDEx is SCA, B2D and Data Ingestion Framework

### **Technologies used:** Python, Pandas, AWS, ML, Random Forest, LOF, IQR.

**2) BBC Voice Pipeline:**

Using artificial intelligence which conducts a conversation via auditory or textual methods. Such programs are often designed to convincingly simulate how a human would behave as a conversational partner, thereby passing the Turing test. Team has created the front-end pipeline to communicate with services.

**Technologies used:** ASR (Google Speech/ Deep Speech), NLU(Rasa), NLP(Spacy/MITIE), Decision Engine (Rasa), TTS (gtts/ talkey), AWS, IBM, Python.

**3) PP Analytical Engine (VTP: Visit Timing Prediction)**

The main purpose of the project “Failure Prediction” is to identify the probability of the machine failure after a particular time period and also to find the components which will impact the cause of failure

**Technologies used:** Python, Pandas, VAR Model, Feature Selection Method such as PCA, Logistic Regression, RFE, Correlation Matrix

**4)** **VMS Android APP**

 VMS is advanced distributed video management software that manages your video security system from a single location. You can customize your storage needs on the basis of compression, frame rate and resolution requirements. We support cloud storage and multi-resolution streaming.

**5)** **Development of an intelligent adaptive video monitoring and recording system.**

Development and enhancement of existing algorithms for detection and tracking of humans, and extraction of faces in high-resolution in semi crowed scenes (b) Development of appropriate protocols and software for transmission and storage of such extracted images and videos in appropriate compression formats

**Technologies used:** C++ and C, OpenCV, Socket Programing.

**Personal Profile:**

Name : Chetanshi Rajpoot

Mother’s Name : Mrs. Krishna Singh

Date of Birth : 14-04-1989

Languages Known : English, Hindi

Gender : Female

**Declaration:**

I hereby declare that all the above given information is true and furnished from the best of my knowledge and belief.

**CHETANSHI RAJPOOT**