

## **PROFILE SUMMARY**

Machine Learning Engineer with proven experience in architecting applications with Algorithms, **Machine Learning**, Python with libraries such as **NumPy, Pandas, Matplotlib, Sklearn, Django**. I have also done some internal projects as Data Analyst using Data Visualization and reporting to the Client. Recognized by managers, colleagues, and peers as a personable, dedicated performer who demonstrates innovation, communication, and teamwork to ensure quality, timely project completion.

### **Key Skills:**

- In-depth expertise with a rich repertoire of Regression, Classification, Clustering, and Dimensionality reduction algorithm.
- Classifiers include Logistic, Discriminate analysis (Linear and Quadratic).
- Experience in creating models using algorithms KNN, Decision Trees, Random-Forest, Gradient-Boosting and SVMs, Logistic.
- Clustering includes partitioning types K-Means, Agglomerative
- Visualization experience Seaborne and Matplotlib in Python.
- Applied Mathematics knowledge of Statistics, Probability, Differentiation & Integration, Vector spaces, Matrix algebra.
- Web framework using Django
- Parsing large data files using Python.
- Conversion of data into Readable format.
- Analysis of Data for Coverage & Capacity improvement.

## **WORK EXPERIENCE**

### **Innodatatics.ai**

Sep- 2020 – Nov 2020

Role :- Intern

Responsibility :-

- Working on Python code and R code
- Solving data oriented problems
- Writing Queries to fetch specific amount of data, Using MySQL and python
- Creating API using Django

### **Innodatatics.ai**

Nov- 2020 –till date

Role :- Associate Data Scientist

Responsibility :-

- Worked on their HR portal site and other web development projects
- Performing EDA operations on the Data set
- Preparing dataset for tableau visualization
- Worked on their upgradation of LMS
- Building Machine learning model and deploying on cloud (AWS)
- Working ML projects
- Storing and fetching Data into AWS S3 bucket

## **REPRESENTATIVE PROJECT EXPERIENCE SUMMARY:**

**Project Name-** Extracting Features from legal Documents

**Project Description-** Building a web application where a client has to provide their legal documents and he can get meaningful features. Like entities such as a contract between organization, date, location, law, constraints, acts, copyrights if any has, conditions. And also a summary of the documents.

**Techniques Used-**

Tools Used- Python, HTML, CSS

Libraries Used - Lexnlp, Spacy, Gensim, Flask

**Business Benefits-** Help to get specific details from documents, which are meaningful and useful. Saving lots of time to dealing with a bundle of documents.

**Project Name-** Hand Recognition

**Project Description-** In This project we need to recognize hand movement of student while studying, This one was for learning management system where we will get data in video format and identify that person hand is moving or not ? Is he actively attending the lecture are being drowsy.

**Techniques Used-**

Tools Used- Python

Libraries Used - OpenCV, NumPy, Pillow

**Project Name-** HR Portal

**Project Description-** Due to covid-19 employee was working from home. In this project we to build a site which can manage the entire employee work and provide a detailed info about each employee to HR. So that HR can track each employee work efficiency. It has to take report from each employee and share with respective manager.

**Techniques Used-**

Tools Used- Python, HTML, CSS, Bootstrap , SQLite3

Libraries Used - Django web framework, Pillow , SMTP

**Project Name-** Weekly sales prediction for retail products

**Project Description-** In this we have to predict weekly store sales for each product in a given store. The amount of data we got that was huge. So preparation of data was challenging part, we had to finalized data by aggregation. And objective was to predict sales for a particular given store and product. We had 699 unique product and 144 store located in different cities.

**Techniques Used-**

Tools Used- Python

Libraries Used - Pandas, Numpy, sweetviz, sklearn

## **TECHNICAL SKILLS**

Key Skills	Data Science, Machine Learning- Supervised, Unsupervised, Data Analysis, NLP, Regression, Statistical Analysis, Cluster Analysis, Classification, Data Mining
Language	Python, R, C, HTML, CSS, SQL
Algorithms	Logistic Regression, Linear Regression, K-means, SVD, KNN, SVM, Decision Tree, Random Forest, Gradient Boosting
Libraries	Pandas, Numpy, Matplotlib, Seaborn, Scikit Learn, Scipy, Re , Beautifulsoup, UnitTest
Web Framework	Django, Flask
Tools	Jupyter, Tableau, VS code, Pycharm, Anaconda , Google colab, Sublime
Database	MySQL , SQLite3

## **PROFESSIONAL TRAININGS & CREDENTIALS**

- MySQL SQL and stored procedure from Udemy
- Django-3 Full Stack website with python web development Udemy
- Data Visualization with Python from IBM
- Python for Data Science from IBM
- Data Science Certification from 360DgitMG
- Machine Learning on cloud

## **ACHIEVEMENTS: -**

- Problem solving certificate from HackerRank
- Python certification from HackerRank
- SQL certification from HackerRank
- Overview of Geoprocessing using Python from ISRO
- MS Office from Deep Infotech

## **ACADEMIA**

2020 **B.Tech** from Ambalika Institute of Management Technology, Lucknow Uttar Pradesh with an aggregate of 74 %

2016 **12<sup>th</sup>** from GIC Paniyara Maharajganj Uttar Pradesh, with an aggregate of 79%

2014 **10<sup>th</sup>** from STMIC Sohas Paniyara Maharajganj Uttar Pradesh with an aggregate of 85%

**STRENGTHS :**

**Positive Attitude:** To progress positively under all circumstances with conviction and maturity in approach.

**Adaptability & Flexibility:** To adapt accordingly under the application of adverse or pressure conditions without deviating from critical to quality concerns.

**Enthusiasm for Learning:** Endlessly strives to learn through different activities.

**PERSONAL DOSSIER**

Date of Birth : 6<sup>th</sup> June 1998

Sex : Male

Father's Name: Mr. Amarjeet Singh

Mother's Name: Mrs. Saraswati Devi

Permanent Address: Mahuawa Shukl Paniyara Mahrajnagj Uttar Pradesh

Current Address: Vrindavan Lucknow Uttar Pradesh

Nationality: Indian

**ENDORSEMENT**

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

Date:

Place:

Rishabh Singh