

Career Objective

Make continues efforts of improving professional skills by incorporating innovation in chosen area of activity and with a hope to learn more, I am confident of achieving highest rank in my area of activity and also to be an asset for the organization with which I will work.

Experience Summary

- 1.5 Year of experience in Software development on Python and Machine Learning.
- Designing, Developing and maintaining business intelligence solution in Power BI.
- Designing and developing Machine learning and deep learning algorithms.
- Worked on NLTK & NLP for sentiment analysis.
- Implementation of TensorFlow for Object Detection and Mask detection.
- Implementation of OpenCV for Facial Recognition.

Training & Certification

- Machine learning certification on Udemy.
- Data Science certification on Udemy.
- Power BI certification on Udemy.
- Python Programing certification from Amazing Training Basket Pvt Ltd Noida.

College Projects

- Completed the project on Chatbot using NLTK.
- Completed the Project on Web scraping using Beautiful Soup.

Technical Skills

- | | |
|-------------------------|---|
| ▪ Programming Language: | PYTHON, C, HTML, CSS |
| ▪ DBMS | MS SQL 2008R2/12/16, SQLITE |
| ▪ Operating System | MS-Windows 7/10 |
| ▪ Python Libraries | OpenCV, Numpy, Matplotlib, Pandas, TensorFlow, Scikit-learn |
| ▪ Algorithms | Linear Regression, Logistic Regression, Decision trees, SVM |
| ▪ IDE | Anaconda Jupyter(Notebook), PyCharm |
| ▪ Tool | Power BI |
| ▪ Familiar with | Python with Machine Learning |

Professional Experience

1. Software Developer at PC SOLUTION Pvt. Ltd. (July 2019 –Present)

- Developing visual reports, dashboards and KPI scorecard using Power BI.
- Extraction of Text from Images and PDF using Tesseract OCR.
- Web Extraction using Beautiful soup.
- Prepare Dashboard on Power BI of Infrastructure Summary.
- Sentiment Analysis using NLTK.

Project Details

1. Mask Detection

- **Description-** Implement Mask Detection on videos, cameras and generate a Mask Detector model using TensorFlow. Perform Email generation when any person don't have mask using Pyodbc, CV2, email.
- **Libraries-** OpenCV, Pyodbc, Numpy, Pandas, Face Recognizer, TensorFlow, Sklearn, Email.
- **Model-** Mask Detector model.

2. Video Analytics

- **Description-** Implement Video Analytics on videos and webcam. In which we need to recognize authorize persons, Age, Gender and save all details in database.
- **Libraries-** OpenCV, Pyodbc, Numpy, Pandas, Face Recognizer
- **Tool-** Power BI

3. Reviews Sentiment Analysis

- **Description-** Implement Sentiment Analysis on Havells and Oberoi reviews. Scrape the reviews from websites and store in csv files and perform Topic Modeling on reviews.
- **Tool-** Power BI
- **Libraries-** NLTK Sentiment Analysis, Numpy, Pandas

4. Face Recognition

- **Description-** Implement Face Recognition using OpenCV in which we capture the images using webcam. Make a model using LBPHFaceRecognizer algorithm and train the model using collected sample data images.
- **Libraries-** OpenCV, Face-recognizer.

5. Chatbot Project

- **Description-** Implement a Chatbot for end to end communication client to Machine. In which we can ask query from Chatbot and the Chatbot will give the answers of our queries automatically.
- **Libraries-** NLTK, Tkinter

6. Web Scraping Project

- **Description-** Scrape necessary data from <http://www.delhimetrorail.com/> site using HTML parser and send the request to the server using URL. After scraping the data store all data in csv file.
- **Libraries-** BeautifulSoup, Regex, Requests

7. Infrastructure Dashboard

- **Description-** Prepare a Dashboard which contains the details of all Infrastructure's Summary like No. of cores, no. of CPU, size of RAM, size of ROM etc. Connect to data sources, import infrastructure data and transform data for Business Intelligence.
- **Tool-** Power Bi

Professional Qualification

- B. Tech. (CSE) from Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in 2019 with 78.42 %.

Academic Qualification

- Senior Secondary Education (12th) from UP Board, Bareilly in 2015 with 82.4 %.
- Higher Secondary Education (10th) from UP Board, Bareilly in 2013 with 84.5 %.

Personal Details

Date of Birth	18 th March, 1999
Father's Name	Mr. Rakesh Kumar Upadhyay
Marital Status	Unmarried
Gender	Male
Nationality	Indian
Religion	Hindu
Languages Known	English, Hindi

Date:

Place: Bareilly

Aman Kumar Upadhyay