

Satyam Kumar

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Summary

- Good understanding of **Python**.
- Basic understanding of **Machine Learning**.
- Basic understanding of Big Data Technologies as **Hadoop, Apache Airflow, Hive, Kafka, & Spark**
- Developed academic projects on **Power BI**.
- Basic understanding of NoSQL databases such as **MongoDB**.

Skills

Language	Python, SQL
Visualization Tool	Power BI
Data Science	Machine Learning (Basics understanding)
Libraries	Pandas, Numpy, Matplotlib, Scikit learn
Big Data Technology	Spark, Kafka

Academic Projects

Web Server Log analysis & Anomaly Detection

2022 JAN - MARCH | CDAC-BENGALURU

Outcome/ Learning:

1. Interaction with Real web server Log files & its Handling using **Pyspark, Pandas**.
2. Data Wrangling, Cleaning and Extraction using **regex**.
3. EDA and Visualisation for better understanding with **Matplotlib**.
4. Finding Anomaly in a Dataset with **Pycaret**.
5. Resampling of Dataset With **Sklearn utils**.
6. Training of ML Model with Boosting algorithms using **Sklearn**.
7. Deployment of Model using **Kafka** Simulator to check anomaly on runtime transactions.
8. Interactive Dashboard with help of **PowerBI**, publishing it over Web, and use of **HTML** to create a web page.

Final Link: <https://weblogsatyam.netlify.app/>

Voice Assistant

MAJOR ACADEMIC PROJECT | GCT, JAIPUR

Voice Assistant takes the User's voice as input command, and performs various day to day tasks. For this project various Python Modules are used.

Outcome/ Learning:

1. Voice command handling using SpeechRecognition(sr), pyttsx3 to convert text into speech.
2. User Interaction with Camera, web browser, social media, email, date time, cpu usage etc.
3. Interaction with modules like:
Datetime | wikipedia | webbrowser | os | cv2 | Smtplib | wolframalpha | urllib | twitter etc

Training

On Data Analysis and Machine Learning with Python

Seldom India Technologies | MAY 2019 - JUNE 2019 JAIPUR

→ **Big Mart Sales Analysis (Training Project)**

Outcome/ Learning:

1. Data Cleaning on dataset with **Pandas**.
2. Generation of EDA Report , Visualization of different relations and correlations using **Matplotlib**.
3. Predicting Big Mart's outlet sales using **Regression Model**.

Education

Degree	Course	Institute	%	Year
PG-Diploma	Big Data Analytics	Center for Development of Advanced Computing, Bangalore (Karnataka)	66.2%	2022-23
BTECH	Computer Science	Global College of Technology, Jaipur (Rajasthan)	67.6%	2016-20
10+2	PCM	St. Joseph's High School, Samastipur (Bihar)	59.2%	2014-16
10	Science	AVN School, Patna (Bihar)	83.6%	2014

Awards & Achievements

- Published article on "A Review on Voice Assistant" in *Journal of Advanced Research in Intelligence Systems and Robotics Volume 2 , Issue 2 - 2020, Pg. No. 1-11*
- Participated in Ethical Hacking and Cyber Security workshop by TECHINEST.
- Participated in Tech fest organized by YANTRAVAT and VIJETA at GCT, Jaipur.
- Participated in Cultural fest JIGYASA at GCT, Jaipur.
- Participated in Quiz competition organized by JAIPURIYA at GCT, Jaipur.

Personal Information

Date of Birth: 14/02/1999

Gender: Male

Nationality: Indian

Languages: English, Hindi