Mantavya Soni

Data Analyst

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SUMMARY

An enthusiastic qualified professional with 1 year of played around experience in Data Analytics in domains like "Crime Branch". Skilled with most industry-relevant ML/DL algorithms. Adept at performing deep dive to gain actionable insights to benefit key stakeholders & facilitate sound decision-making while generating an error-free report. Proficient in data mining and data visualization to deliver compelling business value to clients & successfully execute projects.

KEY SKILLS

•Data Analysis • Basic & Advanced ML • Basic DL • Project Management • Team Management • Basic Knowledge of Git and Deployement • Data Mining • Leadership & Training • Process Improvement • Team Incubation • Customer Dealing • Convincing power • Researching • Problem Solving

TECHNICAL SKILLS

Tools/Languages: Python, SQL, Exploratory Data Analysis, Matplotlib, Seaborn, Pandas, Numpy

Algorithms(ML): Linear regression(Basic & Advanced), Logistic Classification, Decision Tree, Random Forest, Bagging, Boosting, Anomaly Classification.

Algorithms(DL): Artificial Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks.

Database: MySQL
MS Excel (Basic)

CERTIFICATIONS

- **Professional Cricket player** | All

EDUCATION

Post Graduate Diploma in Data Science — Feb '21 - Mar '22

IIIT Bangalore & upGrad — Bengaluru, IN

- **Course Modules:**
  - Data Analysis using SQL | Introduction to Python | Introduction to Machine Learning and Linear Regression | Classification using Logistic Regression | Decision Tree | Random Forest | Bagging | Boosting | Advanced Regression | Artificial Neural Networks | Convolutional Neural Networks | Recurrent Neural Networks
  - Time Series Analysis | Telecom Churn Case Study using Advanced Machine Learning| | House-Price Prediction (Advanced Regression Case-Study) | Skin-Cancer Detection Case-Study | Gesture Recognition Case- Study | Anomaly Detection
  - Business Problem Assignments using all the given ML and DL algorithms

Bachelor of Engineering in Instrumentation and Control — May '16 - May '20

Gujarat Technological University — Gujarat, IN

- Secured 7.51 CGPA

KEY PROJECTS

Domain: Police(Cyber) | Gujarat Crime Branch | Sept '21

- Objective: With the increasing cyber crime rates day by day, Rural SP of Valsad city decided to take help of Data Analytics to identify the key areas to know the distribution of crimes as per city and to explore the root cause for it.
- Solution: I performed a deep data analysis using python and SQL, extensively performed Data Cleaning and processing due to extreme raw nature of the data, educated the department officers to properly handle and store the data for future purposes. And lead the Valsad's cyber organization i.e **NETRAM** for this project.
- Key Achievement: I was able to present a report which showed that which zones were prone to a particular crime and what are the out-state origins of these crimes .As per it police was able to deploy its force efficiently. They were able to identify those stores and places which were unknowingly working as a bridge from origin to the completion of a crime.

Domain: Police(Traffic) | Gujarat Crime Branch | Sept '21

- Objective: Most of the crimes and smuggling was done using stolen cars. So rural SP of Valsad decided to with another Data Driven Solution
- Solution: We formed a team of different specialzed experts of IT,Automation and Data Analytics. It was collective approach where CCTVs captured the photos of Cars' number plate and collected data. That data was linked with RTO's data by a common feature i.e **Number Plate** and query was made to identify the difference in the characteristics of an actual car and its corresponding data to identify the suspect.
- Associated Challenges: There were huge amount of data which was collected due to big number of cars which were passing through in a day. So storage was a big issue.

Domain: TALEEM Research Organization | Gujarat | Aug '21

- Objective: There are so many coal mining areas in Gujarat where mining is done, but government was concerned about how its affecting nearby people.
- Solution: I performed **Exploratory Data Analysis** onto a data to gain plenty insights of how mining is affecting people's health, caused disease due to it, and other consequences of mining on them. Based on which Rural Development Department can bring some helpful provisions.
- Achievement : Based on the features I also made logistic classification model regarding the death possibility. As it was offline data so I didn't used it for prediction but I did to identify the parameters which were contributing the most to the death. Old age was the most significant one.

India University Tournament

ADDITIONAL INFORMATION

Languages: Gujarati (native), English & Hindi (intermediate)

Note: I have made many more projects using different algorithms which is being stated above.

PROFESSIONAL EXPERIENCE

Junior Instrumentation and Control Engineer

Feb '21 - May '21

Larsen And Toubro - Sargent and Lundy

Baroda, IN

Utlity Work

- Collating data from project managers and team leads of their corresponding project in raw format.
- Organizing it into a pre-defined format so that it can be used for analysis in future.
- And maintaining that as a utility

Instrument verification on Piping & Instrument Diagram

- To verify the list of instruments which are required for the project and passing that list to purchase engineer,
- Have worked for **Buxar Power Plant Project** for the same.

Apperentice Class-2 Engineer - UGVCL(Bopal Sub-Division)

Nov '20 - Feb '21

Gujarat Electricity Board

Ahmedabad, IN

- Dealing with customers who are taking company's electrical services
- Storing customer's data.
- On-field work of feeders management and regulation of power.
- Controlling Electricity thefts.
- Managing and controlling line-staff to deal with customer's issues, preserving them and keeping track over energy regulation.