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EDUCATION

K.J.Somaiya College of Engineering

B.Tech in Electronics and telecommunication

Vidyavihar, Mumbai

June-2022

- 8.6 CGPI (till 6th semester)
- Studied Machine learning and Cloud Computing as audit course
- As an elective, I completed Principles of Data Science.

Smt.C.H.M college

Higher Secondary Certificate (Maharashtra Board)

Ulhasnagar, Thane

February-2018

- 88.62% in PCMB

S.I.C.E.S. High School

Secondary School Certificate (Maharashtra Board)

Ambernath, Thane

March-2016

- Achieved 94.20%

WORK EXPERIENCE

K J Somaiya College of Engineering

Data Analyst Intern

Vidyavihar, Mumbai

May-2020

- Created a Python script using **Pandas** and **Numpy** to clean the dataset received by the hospital, which was in the form of Excel sheets that contained the data of **3050** patients.
- Then using various visualization tools in Python to visualize the data and extract valuable insights from the data which includes the medicines given to the patients, total number of days' patient was treated, ventilator allotment, death ratio and gender ratio.
- Using **Python**, implemented a method that can do contextual searches in datasets using pandas and regular expression (regex) libraries, allowing us to detect details about **COVID** and non-COVID patients.
- Along with project mates, wrote a manuscript regarding the research and analysis done. The manuscript is under major revision.

K J Somaiya College of Engineering

Machine Learning Intern

Vidyavihar, Mumbai

May-2020

- Designed a **Deep learning** model which is able to predict the binarization threshold value of an ECG image so that it is able to separate the ECG signal from **500** binary images.
- The ECG signal is then converted to a 1-D array using **OpenCV** and Deep Learning. The accuracy achieved was **97%**.
- Then we developed a Deep Learning model using **Keras** and **Tensorflow**, in which the extracted 1-D array was passed which in turn predicts the Heart Arrhythmia of 5 classes with an accuracy of **94.4%**.
- Journal of Medical and Biological Engineering **published** a study titled "ECG Paper Record Digitization and Diagnosis Using Deep Learning" (2021) DOI:- 10.1007/s40846-021-00632-0 [PAPER LINK](#).

PROJECT EXPERIENCE

Data Science Project

Indian Recipe Dataset Analysis

- Prepared a dataset by extracting the India's recipes dataset with **227** dishes, and then we proposed a **hypothesis**: "North Indians are spicy-toothed people."
- Using **R**, conducted a thorough analysis using hypothesis testing, confidence intervals, and then, at the end, it was found that the null hypothesis was rejected with a significance level of **5%**.
- We also stated the hypothesis that average time for cooking is 60 minutes with significance level of **5%**.

SQL-Python Project

Student Data Management System

- Developed a simple Student management system using **Python language** integrated with **MySQL**.
- Managed the student details like Student name, course name, etc.
- These was achieved using MySQL queries in Python using the library **mysql-connector-python**.

Tableau Project

Citi Bike Data analysis

- Created dashboards and Storyboards for the City Bike data using **Tableau**.
- Analyzed different parameters like Age, Gender, Trip duration and then created a User Friendly Dashboard and Story line to get insights of the data
- Data used in this project consisted of the information regarding the bikers and other details like age, gender, starting and ending destination, etc.
- Then understanding about KPI (Key Performance Indicator) so that to achieve the objectives of the business.

SKILLS & INTERESTS

- **Programming languages:** - Python, R, C++
- **Database and Clouds:** - SQL, AWS
- **Other technologies:** - Power BI, Tableau, Microsoft Excel, Microsoft PowerPoint
- **Operating Systems:** - Windows, Linux
- **Interests:** Badminton, Reading, public speaking