

# VINAYAK SAKPAL

Pune, Maharashtra

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## Education

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### S.P. College

*Certificate Course in Data Science*

September 2019 - March 2020

Maharashtra, India

### Abasaheb Garware College

*Bachelor of Science in Statistics*

August 2016 - June 2019

Maharashtra, India

## Experience

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### JSPM Institute

*Software Engineer*

Sep 2022 – Present

Pune, India

- Proficient in **Ubuntu** and **MySQL CLI**, adeptly installed and operated Koha software. Skilled in data management, utilizing Excel functions including **VLOOKUP** and formatting. Successfully imported CSV files into Koha.
- Conducted training sessions for 10+ Institute librarians on Koha software utilization.

### Indohealth Software Solutions

*Software Developer*

Sep 2020 – Aug 2022

Pune, India

- Developed **Power-BI dashboards** for multiple hospitals. Worked on **my-sql database**. Data query- To get project data, run the solution initially on a month data then replicated it for 12 months data, bringing the process down **4-5 minutes** of time.
- **COVID Patient Management System (PMC)**- Created Power Bi dashboard for the PMC authorities. Captured detailed clinical data, analyzed it from the patient admission to discharge and sent this data to doctor's research panel for further studies. Done detailed analysis on what are the top medicines used for the patients, What are the top symptoms and vitals which are seen in the patient along with comorbidities, What are the death ratio, their reasons etc. These are the some steps we were used in the project.
- **Waiting time** - The client needed data for average waiting time of patients. The data (in-time to billing time) was analyzed and key reasons for waiting time minutes were identified for client.

## Projects

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### Zomato Data Analysis | *Python, Numpy, Pandas, Scikitlearn, MYSQL* |

- Analyzed the data taken from Zomato to understand the basic requirements. The Python script gives a very interactive plot and charts describing the buying patterns of customers in pune. Approximately **80 percent** of customers have ordered from restaurants where the cost ranges from **Rs 250 to Rs 350** for two people.
- **39 percent** of the restaurants belongs to quick bits and **24.2 percent** belongs to casual dining.

### Customer Churn Prediction | *Machine Learning, Deep Learning, Python, Data Analysis, Matplotlib, Seaborn* |

- A machine Learning Model which predict the churning rate in a Bank. Estimated that **10 percent** of the customers who will churn may belong to the **age group 30-45**.

## Certifications

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- Completed Certification Course in Python from Seven Mentors
- Completed Certification Course in Probability and Statistics from Seven Mentors
- Completed Certification Course in Data Science from S.P.College

## Profile Links

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- Leetcode
- GeeksforGeeks

## Technical Skills

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**Languages:** Python, HTML/CSS, SQL

**Technologies/Frameworks/Libraries:** Jupyter Notebook, Numpy, Pandas, Matplotlib, Seaborn, Scikitlearn, Keras, Tensorflow, VScode, PowerBI, MYSQL, Excel

