**Sagar Varandekar**

Data Scientist

Ex-Project Engineer transitioning into Data Science after completing Machine Learning and Data Science Specialisations on Coursera. Key skills include Data Wrangling, EDA, Python, SQL, Machine Learning, Modelling and Statistics.

WORK EXPERIENCE

**Project Engineer | Hindustan Petroleum-Aarvi Encon** Sep 2021–Apr 2022

* Monitored the complete project of Fire Water Tank and associated Piping for safety and quality independently.
* Planned and scheduled project activities by making Gantt charts in Excel taking view of all stakeholders.

**Project Engineer | Bharat Petroleum-O & G Skills India** Jan 2020–Sep 2020

* Monitored activities of MMPL Rerouting for safety and quality.
* Responsible for presenting saving opportunities related to project costs.

**Graduate Trainee | Bharat Petroleum** Nov 2018-Oct 2019

* Planned scheduled and monitored project facilities for ethanol-biodiesel.
* Making In-house estimate of proposed work, reports and insightful dashboards in excel showing project impact.

EDUCATION



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| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Qualification** | **Institute/University** | **Year** | **CGPA / %** | |
|  |  | B.E. Mechanical | Don Bosco Institute (Mumbai) | 2018 | 65.43% | |
|  |  | H.S.C | Maharashtra State Board | 2014 | 83.54% | |
|  |  | S.S.C (Rank 3) | Maharashtra State Board | 2012 | 91.82% | |
|  |  | |  |  |  |  |
|  | KEY PROJECTS | |  |  |  |  |
|  | |  | |  |  |  |
| **Medical Charges Forecast** | | | |  | Apr 22 | |

Sourced dataset from Kaggle repository. Performed Exploratory Data Analysis, Regression analysis to find the influence of various factors on medical charges. Trained on different regression models. Polynomial regression gave best accuracy.

**Bank Customer Churn Prediction** May 22

Sourced dataset from Kaggle repository. Performed Exploratory Data Analysis, Data Wrangling on the dataset. Made various classification models and found that Random Forest classifier gave highest classification accuracy.

**Predicting SpaceX Falcon9 First Stage landing | IBM Capstone** Apr 22

Collected data from SpaceX API. Performed Exploratory Data Analysis to gain insights about the data. Modified data to feed to ML model. Model trained on various classification algorithms. Decision Tree classfier gave highest accuracy.

**Stack Overflow Developer Survey Data Analysis | IBM Capstone** Jun 22

Performed Data Wrangling, Exploratory Data Analysis and built a dashboard showing important visualizations on IBM Cognos. Presented a data findings report about the most in demand tech skills, tools and platforms.

**Book Recommendation System** Jun 22

Designed and developed a Book Recommendation System using Item based Collaborative Filtering method for recommending books to readers.

**Customer Segmentation using RFM Analysis and KMeans Clustering** Jul22

Performed EDA on Online Retail dataset from Kaggle. Segmentation of customers by creating Recency, Frequency and Monetary features and using RFM modelling and KMeans Clustering.

CONTACT

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* [github.com/SagarVarandekar](https://github.com/SagarVarandekar)
* [kaggle.com/sagarvarandekar](https://www.kaggle.com/sagarvarandekar)

SKILL

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*Key Skills:*

* Data Wrangling
* Exploratory Data Analysis
* Data Visualization
* Machine Learning
* Predictive Modelling & Analytics

*Programming Languages*:

* Python
* SQL

*Python Librariess*:

* Numpy, Pandas
* BrautifulSoup, Plotly
* Matplotlib, Seaborn
* Scipy, ScikitLearn

*Machine Learing/Statistics*:

* Linear/Logistic Regression
* SVM
* Decision Tree
* Ensemble Learning
* Clustering
* Recommendation System
* Hypothesis Testing
* Neural Networks

*Tools and Frameworks:*

* Advanced Excel
* Microsoft Office
* IBM Cognos

CERTIFICATIONS & COURSES

* **IBM Data Science Specialization**
* **Machine Learning - Coursera**
* **IBM Data Analyst Specialization**
* **Statistics for Data Science**
* **Neural Networks & Deep Learning**
* **Python Bootcamp 2021 - Udemy**