

Nitish Viraktamath

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Nationality · Indian

Kaggle: <https://www.kaggle.com/nitishviraktamath>



Passionate about Machine Learning and an active Kagglers. I have a thorough understanding of Machine Learning theory and its practical aspects. Looking to apply my skills to the benefit of the company.

EDUCATION

Politecnico Di Milano

Sep 2019 – Sep 2022

Master of Science in Computer Science and Engineering

Related Courses: Data Mining, Recommender Systems, Model Identification And Data Analysis, Advanced Database systems, Software Engineering.

Nitte Meenakshi Institute of Technology Bachelor of Engineering in Computer Science

Grade 8.76 / 10

Aug 2015 – Aug 2019

Related courses: Data Structures, Algorithms

EXPERIENCE

Think Tree Media House

Jun 2018 – Aug 2018

Web Developer Intern –

Developed the home page for fast food restaurant Brahmin Thatte Idly. Designed the page using CSS and used Javascript for the backend.

ACADEMIC PROJECTS

**Database Ranking
Master's Thesis**
March 2022

Project to find interesting points in the **skyline** that cannot be found using a top-1 linear function in datasets. Used datasets from Kaggle and loaded them to perform data preprocessing. Python **Pandas** and **Numpy** was used to load the data and perform **data preprocessing** and **data cleaning**. **Matplotlib** and **Seaborn** were used to create the visualization plots to compare the values of the indicators – Grid Strength, Increase in Domination Volume and Maxrank for each of the data points using bar plots, scatter plots and pie charts.

**Multi-Class Prediction
of Obesity Risk-**
February 2024

Kaggle Competition to predict Obesity Risk. Loaded the data having 20k rows and performed **Feature Engineering** before feeding the data to a **LightGBM model**. Performed **Hyper-parameter tuning** on the model to achieve final accuracy of 0.902 and a validation accuracy of 0.9139.

**Household Power
Consumption** March
2024

Performed **clustering** on the Household Power Consumption Dataset from UCI Machine Learning Repository. Dataset had about **2 million** rows. Performed **Exploratory Data Analysis** and Feature engineering to prepare data for machine learning model. Used a combination of **Principal Component Analysis** and **KMeans** in a **pipeline** to reduce dimensionality of data and cluster the data resulting in overall 3 clusters.

SKILLS

Programming Languages	Python, SQL, R, Java
Tools	Pandas, NumPy, Matplotlib
Software Tools	Jupyter Notebook, R Studio, MySQL, Power BI, MS Excel

VOLUNTEERING

Banjara Toastmasters
Sep 2015 – Sep 2018

Active member of Toastmaster Club for a period of **2 years**. Took up roles as the **Master of Ceremonies**, **Table Topics Master** and Grammarian in the club meetings.