Viral Biyawala

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EDUCATION

- **B.Tech-Computer Science & Engineering**
  CGPA: 9.33/10
  Indian Institute of Information Technology, Surat (2021-25)

- **12th-Science (PCM)**
  Percentage: 88.46%
  Shri H.J.Gajera English Medium School, Surat (2020-21)

SKILLS

- **Programming Languages** : Python, SQL, YAML, C, C++, Javascript

- **Development**: Pandas, TensorFlow, ML-Flow, NannyML, Workflows, Scikit-Learn, PyTorch, Django, Flask, Git, DVC, HTML, Bootstrap, jQuery, PHP

- **Software:** GitHub, VS Code, Jupyter Notebook, Power BI ,Google Colab, MATLAB

- **Soft Skills:** Leadership, Presentation, Communication, Group Discussion, Team Work

RELEVANT COURSES

- **Computer Science** : Data Structure & Algorithm, Operating Systems, Computer Networks, Object Oriented Programming, Database Management System, Design & Analysis of Algorithms

- **Machine Learning (Datacamp)** : Machine Learning, ML-Ops, Natural Language Processing

- **Mathematics** : Probability & Statistical Analysis, Linear Algebra, Calculus, Differential Equations

- **Other** : Digital Signal Processing, Economics & Buisness Management

CERTIFICATION

- Professional Data Scientist by DataCamp ⧉

- Statistics For Data Science by Stanford Online - Coursera ⧉

- Associate Data Engineer by DataCamp ⧉

- Introduction to Web Development - Coursera ⧉

ACHIEVEMENT

- Ranked **300th** of **975** in Kaggle BirdClef 2024, with a **62.62%** ROC value.

- Maintained a **500+** daily streak on **LeetCode.**

- Earned **350k+** XP and a **100+** streak on **Datacamp.**

- 3 star at **codechef** with Max Rating 1622

PUBLICATIONS

- **R. K. Ahir**, **V. Biyawala**, and **S. Sikotra**, "A two-phase data-driven approach for detection of solar pv and ev infrastructure in smart grid", *IEEE Transaction on Industrial Informatics* (Under Review)

PROJECTS

- **Recipe Traffic Prediction** ⧉
  - Achieved **83%** accuracy using **Hyperparameter Tuning** and utilized **Comparison Ensemble Voting** for enhancing model performance
  - Increased website traffic by **40%** through daily popular recipe prediction.

- **MindCare** ⧉ ⧉
  - Built a platform using React, Django, and Mongo-DB that personalizes yoga recommendations in collaboration with team of **3** people to deliver scalable solution.
  - Thrive high engagement by recommending top **3** yoga poses based on quiz responses.
  - Applied ML to analyze user posts, achieving **94%** recall in identifying suicide-related posts.

- **Attrition Analysis - Power BI** ⧉
  - Analyzed employee attrition, visualizing key **KPIs** such as a **16.1%** overall attrition rate.
  - Highlighted new joiners (1 year) have a **31.58%** attrition rate, while those with 10 years have a **0.78%** attrition rate.
  - Identified the highest attrition KPI of **39.76%** among Sales Representatives.
  - Revealed that **74.52%** of total attrition involved employees who do overtime.

- **University Enrollment Prediction** ⧉
  - Predicted student enrollments with **0.3 RMSE**, leveraging **Linear regression** using **Sklearn** and **Seaborn**

PROFILE LINKS

- Leetcode: leetcode/ViralBiyawala ⧉
- Datacamp: datacamp/ViralBiyawala ⧉
- Kaggle: kaggle/viralbiyawala ⧉
- Codechef: codechef/viralbiyawala ⧉
- Codeforces: codeforces/ViralBiyawala ⧉