Om Tarkunde

Roll No.: 21145106
Bachelor of Technology
Metallurgical Engineering and Technology
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EDUCATION

• **Indian Institute of Technology,Varanasi**   *2021-Present*
  B.Tech and Metallurgical Engineering   **CGPA: 8.58**

• **Global Public School and Jr. college**   *2021*
  Maharashtra State Board, Maharashtra   **92**

EXPERIENCE

• **YBI Foundation**   *May 2022 - Jun 2022*
  ML Engineer   Remote Internship
  – Developing predictive models and deriving insights using various ML algorithms.
  – Applied AI/ML techniques to solve business and healthcare problems: segmentation, forecasting, fraud detection,risk assessment, and treatment optimization.
  – The major models that I made are spam mail detection , diabetes and cancer prediction models, housing loan prediction
  – Exposure : Scikit-learn, Python, TF-IDF Vectorizer, Matplotlib, Numpy, Pandas, Seaborn

PERSONAL PROJECTS

– **Exam Marks Prediction**   *May,2023*
  Github,Tarkunde7
  * A marks predicting model for students with different type of degrees and on basis of their preparation.
  * Project compares accuracy of many models such as Random Forest , Decision Tree, **Gradient Boosting**, etc., and select's the one with best accuracy.
  * Project contains a separate exception file for ease to debug the errors at different files and lines
  * Tools and technologies used: scikit-learn, **XGBoost**, **Gradient Boosting**, Random Forest, Decision Tree

– **Movie Recommendation system**   *December,2023*
  Google-Colab
  * A movie recommendation system for users.User will get the names of movies which will be very close to his likes.
  * Use of **TF-IDF Vectorizer** for making the words in genre,directors name, cast,etc., meaningful for model in short integer form
  * Used **Cosine Similarity** to find the similarity between the genre , cast, directors ,etc.
  * Used **difflib module** for comparing the scores got from **Cosine-Similarity**.
  * Tools and technologies used : **Scikit-learn,TF-IDF Vectorizer, Cosine Similarity, Difflib**,pandas, seaborn

– **Player Value Prediction**   *January,2024*
  Github,Tarkunde7
  * Made a Regression model with an exceptional **99.98** percent accuracy
  * The model basically uses various ML Algo like **Descision Tree Regressor, kNN-Regressor, xgboot,cataboost,adaboost**,linear regression,etc.
  * The project has basically predicts the value of football players based on **20 features** and past 5 years of FIFA data has been years
  * Tools and technologies used: **xgboost**, **cataboost,adaboost,KNN Regressor**

TECHNICAL SKILLS AND INTERESTS

Languages:Python,SQL,C++,Dart,Kotlin,C
Developer Tools:Git,MySQL,Android Studio,VsCode,IntelliJ IDEA,PyCharm,MongoDB
Frameworks:Scikit-learn,ComputerVision,Pygame,Pandas,Numpy,Matplotlib,Flask,Flutter
Areas of Interest:Data-Science,Machine-Learning,Computer Vision,Astronomy,Finance

POSITIONS OF RESPONSIBILITY

– **Position:Manager** Lead a team of **30 co-ordinators** in Kashiyatra'23   *January,2023*
– **Position:Co-ordinator** Managed all the workshops held in Technex'22   *March ,2022*

ACHIEVEMENTS

– **1st Position** National Event **DroneTech(Autonomous Drone navigation)** in Technex,IIT BHU   *March,2022*
– **1st Position** National Event MissionX Case-study in AstraX,IIT MANDI   *April,2022*
– **National Swimmer** Participated in **National Championship of Swimming**,Maharashtra   *August 2012*
– **Inter-IIT** Participated in **37th Inter-IIT Aquatics Meet**,IITGN   *October 2023*