Adesh Singh Tomar

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Skills

- Python | R| SQL| Git | Data Pre-Processing | Data Cleaning| Open CV| Power BI |Plotly| Flask |Docker|
- Pandas| Numpy| Matplotlib| Seaborn| Sklearn| Keras| Statistics | Natural Language Processing |AWS|Azure|
- Data Science | Machine Learning | Deep Learning | Data Analysis|English, Hindi– *All professional proficiency or above*

Experience

Deep Learning Intern **Mentorness** **02/24 - 3/24**

- Employed Python and TensorFlow to build sophisticated deep-learning models for image classification.Implemented image preprocessing with OpenCV to enhance accuracy, achieving optimal results in diverse image recognition tasks.

Data Science Intern **Techies Group** **01/23 - 12/23**

- Developed Deep Learning models using Python, and TensorFlow for image classification tasks with an accuracy rate of 98.5%.
- Collaborated with cross-functional teams to extract insights from complex data sets using statistical techniques, resulting in a 25% increase in revenue for the company.
- Development of Machine Learning models and applying my statistical knowledge to get the best result every time
- Researched and analyzed new Machine Learning algorithms to improve model accuracy by 15%, resulting in a 20% decrease in false positive rates.

Education

Bachelor of Technology **Madhav Institue of Technology and Science** *Gwalior, M.P. India* **12/2020 - Current**

- Bachelors in Electronics Engineering

Projects

- **Student Exam Performance Prediction System:** Developed a machine learning system predicting students' performance based on gender, ethnicity, parental education, lunch type, test prep, and scores. Utilized RandomForest, Adaboost, and CatBoost for model training. Implemented a **Flask** web app, **Docker**, showcasing skills in **ML**, **data analysis**, **web development**, and **containerization**. Github

- **Netflix Movie Recommender System:** Created a Netflix movie recommendation system by using **collaborative filtering** with matrix factorization. The data is taken from Kaggle, recommendation is made based on the user ID and subsequent movies watched.

- **Movie Review Analysis:** Designed a Deep Learning model for movie review with Facial Recognition using an image dataset and did the required pre-processing using **Open CV**.

- **Bike Rental Demand Analysis (R):** Implemented a Random Forest model to predict bike rental demand based on weather, time, and other factors. Conducted exploratory data analysis, visualizing correlations and seasonal patterns. Achieved model evaluation using metrics like Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE). Github

- **Sentiment Analysis:** Implemented a cutting-edge Sentiment Analysis project leveraging state-of-the-art Natural Language Processing (NLP) methodologies. Utilized **BERT** for feature extraction, enabling precise **sentiment classification**, and enhanced text preprocessing with Porter Stemmer techniques to refine text data.