MANSI VERMA

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As a Data Science student, I have cultivated a robust understanding of machine learning and data analysis techniques through coursework and practical projects. I'm enthusiastic about the opportunity to apply my expertise to drive data-driven insights and solutions.

EDUCATION

Bhilai Institute of Technology Raipur   2020 - 2024
B. Tech Computer Science and Engineering
SPI: 9.05

Kendriya Vidyalaya No.1 Raipur, Chhattisgarh   2007 - 2019

XII-86%   X-10 CGPA

EXPERIENCE

Machine Learning Intern, Internship Studio   June 2023-July 2023
·Conducted model optimization and analysis for "Youtube Adview Prediction," enhancing predictive accuracy.
·Developed a Twitter sentiment analysis model, refining machine learning and data analysis skills.

Smart India Hackathon (SIH)-Participated   March 2021
·Worked on problem statement given by DRDO- DRONE DETECTION (Technology used- ML and Deep Learning).

Volunteered in GDSC
·Helped in smoothly operating the events organized by the GDSC.

CERTIFICATIONS

Programming with Python, Internshala   August 2022
Data Science and Machine Learning, Coding Ninjas   May 2022-December 2022
Training on Machine Learning, Internship Studio   June 2023

SKILLS

Languages: C++, Python, HTML, CSS.

Web Framework: Flask, Django

Libraries: Data analysis- Pandas, NumPy, Visualization- Matplotlib, Seaborn, Web Scraping- BS4, Selenium,
              Machine Learning- Scikit-learn, NLTK.

Databases: MySQL, SQLite.

Tools: Git, GitHub, Jupyter Notebook, Excel, PowerBi.

PROJECTS

PosePerfect: exercise pose estimation & correction 🔗
·The project is made using **Django** and **React**.
· Knn, RandomForest and CNN models are trained on the angle dataset of the joints while exercising.
· For pose estimation of a person **Mediapipe** model is used.

Indian Sign Language Detection 🔗
·It is a project that is made to understand the numbers and alphabets which is shown by a person fingers.
·Dataset Creation, Dataset annotation using **RoboFlow**, Model used – pretrained **SSD**
·Modules – **Tensorflow**, **OpenCV, Flask.**

Facial Emotion recognition using Audio and Video 🔗
·This model is created on a self-built emotion dataset containing 7 emotions to recognize: Neutral, Disgust, Fear, Sadness, Anger,
· Happiness, Surprise by CNN using **TensorFlow**, **OpenCV**, **Keras** for the model and matplotlib and Numpy for visualization.

Fake News Detection using NLP 🔗
·Main Dataset created by merging various datasets and model was created using pipeline of textual and numeric features.
·Classifier -**Random Forest** and Feature Engineering using **CountVectorizer, word2vec**.

WeatherChecker App using Django 🔗
·Weather app using **Django** and **Python** that leverages the **OpenWeatherMap API** for real-time weather data.
·Users can input locations to retrieve accurate weather information, displayed in a user-friendly interface.