Manoj Kumar V

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Portfolio : https://manojlucky007.github.io/Portfolio/

CAREER OBJECTIVE:

To Secure a job as a dedicated and proactive entry-level professional, utilizing my academic background and passion for technology to drive innovation and efficiency, while fostering strong collaborative relationships within the team to support the company's global mission and growth.

TECHNICAL SKILLS:

Languages:	Python
Data Analyst :	Excel, Power BI
Libraries:	NumPy, Pandas, Seaborn, Scikit-learn
Technology:	Machine Learning (Regression & Classification)
Web Technologies:	HTML, CSS
Soft Skills:	Critical Thinking & Problem Solving

ACADEMIC PROJECT:

Project Title: AI-Powered Diet & Workout Recommendation System

Link : https://diet-and-workout-mid6.onrender.com/

Description:

Developed a comprehensive web-based platform that delivers personalized diet plans and workout routines using machine learning. The core feature is a Diet and Workout Recommendation Page powered by a Random Forest algorithm that analyzes user data to generate tailored plans.

Used CSV datasets to train the machine learning model, handling cleaning, and preprocessing with pandas and NumPy. Performed exploratory data analysis (EDA) and visualizations with seaborn to identify trends, correlations, and feature importance.

Built and trained the Random Forest model using scikit-learn. Created a Workout Tutorial Page with embedded videos and written guides to ensure users can perform exercises safely and effectively.

Developed a Flask API that serves the trained model and delivers personalized recommendations in real time based on user input. This design enables easy integration with the web interface and chatbot for a seamless user experience.

Key Features:

- Random Forest model trained on CSV data for personalized recommendations

- Data preprocessing and analysis with pandas and NumPy

- Interactive Nutrition chatbot

- Data visualization with seaborn for EDA

- Workout Tutorial Page with instructional videos and guides

- RESTful API built with Flask to serve real-time recommendations

Technologies Used:

- Python (NumPy, pandas, seaborn, scikit-learn)

- Flask (for API development and chatbot integration)

- CSV data files for model training

- HTML/CSS

EDUCATION:

Master of Science in Information Technology
N.M.S.S. Vellaichamy Nadar College, Madurai, Tamil Nadu   *2023 – 2025*

Bachelor of Science in Information Technology
N.M.S.S. Vellaichamy Nadar College, Madurai, Tamil Nadu   *2020 –2023*