MONALISA BURMA

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Seeking an entry-level Data Scientist role to kickstart my career in the world of data science. Equipped with strong analytical and programming skills, I aim to use my knowledge to uncover valuable insights from data, assist in decision-making, and contribute to the success of the organization. I am eager to apply my problem-solving abilities and adapt to the evolving landscape of data science.

TECHNICAL SKILLS

- **Technologies:** Machine Learning, Deep Learning, Feature Engineering, Natural Language Processing, LLM (OpenAI's Language Model), Langchain, Exploratory Data Analysis, Supervised learning algos, Unsupervised learning algos, ANN, CNN, RNN, Feature selection and extraction, MS Excel, Streamlit
- **Data Visualization:** Matplotlib, Seaborn, Tableau
- **Mathematics For ML & DL:** Probability, Statistics, Algebra
- **Python packages:** Scikit-Learn, TensorFlow, Keras, NumPy, Pandas, OpenCV, Pytesseract
- **Databases:** MySQL, MongoDB | **IDEs:** Jupyter Notebook, Google Colab

WORK EXPERIENCE

Machine Learning Intern, Feynn Labs, (Dec 2023 – Present)

Project: AI-Powered Mental Health Support App

- Designing user-friendly AI app with NLP and computer vision. Ongoing development of machine learning model for mental health status classification.

Current Status:

- Actively engaged in the iterative development and testing phase.
- Collaborating with team members to enhance app features and model accuracy.

STREAMLIT-BASED TRAVEL PLANNER (PERSONAL PROJECT):

Link: https://travelplan-journeygenius.streamlit.app/

Developed a Travel Planner App using Streamlit and OpenAI's language model.

Features:

- Allows users to input destinations, trip duration, and select a trip type from a diverse range.
- Utilizes OpenAI's language model to dynamically generate detailed daywise itineraries for the specified trip.

User-Friendly Interface:

- Streamlined user interface for easy input and generation of travel plans.

Skills Showcased:

- Demonstrated proficiency in Python (Streamlit), Natural Language Processing, and User Interface Design.

MINOR PROJECTS

Fake news classifier using NLP (https://github.com/monalisaburma/Fake-News-Classifier-using-NLP)

- Developed a fake news classifier using NLP techniques to distinguish between real and fake news articles.
- Collected and preprocessed the news dataset for training and testing. Implemented NLP techniques CountVectorizer and TF-IDF to extract relevant features. Achieved an impressive 90% accuracy rate in the detection of fake news.

Custom Object detection (https://github.com/monalisaburma/object-detection)

- Developed a TensorFlow-based model for detecting and localizing custom objects in images and videos.
- Leveraged GPU acceleration for efficient model development and optimization. Utilized deep learning techniques and hyperparameter optimization for enhancing model performance.

Stock Market Forecasting (https://github.com/monalisaburma/stock-market-forecasting)

- Developed an LSTM-based model for forecasting 30 days of future stock prices by leveraging historical data and technical indicators. Optimized performance through hyperparameter tuning, showcasing expertise in deep learning for financial analysis.

EDUCATION

B.Tech – Mechanical Engineering (June 2019 - May 2023) | CGPA: 8.79
IGIT Sarang, Odisha

LANGUAGES

English, Hindi, Odia