Ukant Jadia

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Experience

Cognus Technology Internship May-Aug 2023
Worked on the live project Gradding as a flutter developer. I've created a professional work environment and strong work ethic, gaining valuable experience. I have also conducted research on various applications and services, contributing to my well-rounded skill set.

Educational Details

BTech in Computer Science(AI-ML) 2020-2024
Sir Padampat Singhania University, Udaipur Rajasthan

CBSE XII CBSE 2018-2020
Oasis Sainik School, Hanumangarh, Rajasthan

Projects

Blooms Taxonomy Level Classification - An MLOPS Project Link

- A model was developed to categorize questions into different levels of Bloom's taxonomy as part of the OBE Module for SPSU.
- It has helped reduce the manual effort required by professors and teachers when adding Bloom's levels to questions.
- The accurate classification of questions into their respective levels of Bloom's taxonomy is crucial for implementing the OBE module at SPSU.
- The model utilizes the DistilBird model for classification, NLP for preprocessing, and Streamlit for its web interface.

Food Image Classification Link

- Built a Convolutional Neural Network for classifying images of food and non-food items.
- I crafted this project specifically for managing image data, employing MLOPS practices.
- It involves the structured application of Machine Learning Operations to enhance image data handling.
- Utilizing CNN for the model and employing mlfow for model tracking, along with Tensorflow for building the model.
- Keras parameter tuning and grid search are employed for hyperparameter optimization.

Loan Prediction Link

- A machine learning model has been developed to forecast whether a loan will be approved for an individual based on several factors such as salary, gender, marital status, applicant income, and loan amount.
- Exploratory data analysis was conducted on the loan data to identify important features.
- Various models were created to determine the most suitable one.
- The model has been deployed online using Streamlit for user-friendly access.

Air Quality with Pm2.5 level prediction Link

- A machine learning model was developed to categorize the concentration of PM2.5 in the environment based on specific parameters.
- The data imbalance was addressed using SMOTE technique to balance the different levels of pollution.

Achievements

Ranked 2nd in challenging WCAIAA Coding Hackathon in 2023
Ranked 2nd in IEEE SPSU Ideathone in 2021
Ranked 1st in IEEE SPSU Ideathone in 2020

Skills

Frameworks: Flutter, Flask, Tensorflow, PyTorch
Languages : C/C++, SQL, Python, Dart, Java,POSIX Shell
Dev. Tools: Docker, Linux, Git, FFmpeg, Nginx, Vim, Tmux, Pandoc
Misc: Data Structure, Machine Learning, Text Processing(NLP), Neural Network

Accomplishments

IEEE Event Volunteer 2020: Organized IEEE Day & Ideathone, contributing to successful execution.
FDP Workshop 2020: Collaborated in a dedicated team for a 5-day Faculty Development Program.
IEEE Day Leader 2021: Spearheaded IEEE Day, showcasing leadership and event management skills.
NCC C Certificate: Demonstrated commitment, discipline, and dedication.
Data Science Course: Completed a comprehensive course through Internshala, enhancing analytical skills.
IIM Udaipur Ideation Program: Gained exposure to innovative thinking and problem-solving.