Kale Hari Prasad

Data Scientist

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https://github.com/kalehariprasad

SUMMARY

Data Scientist with a passion for delivering impactful results. Specializing in predictive modeling and API development, I am highly skilled in Python and have a wealth of practical knowledge in data preprocessing, feature engineering, model selection, and performance assessment. I have a proven track record of developing innovative solutions that drive business growth and enhance customer satisfaction. In addition, I excel in collaborative settings and possess the ability to effectively communicate complex technical concepts to non-technical stakeholders. I am eager to apply my expertise to create value for your organization.

EXPERIENCE

Data Scientist intern

Oasis infobyte — 05/2023 - 06/2023

- Developed end-to-end project email classification problem
- Conducted Exploratory Data Analysis (EDA) on unemployment in India, providing valuable insights
- Created APIs for both end-to-end projects, enabling seamless integration and usability
- Leveraged Python to preprocess data, engineer relevant features, select appropriate models, and evaluate performance.
- Successfully implemented predictive models to classify iris species and classify emails effectively
- Showcased a strong focus on business growth and customer experience improvement throughout the projects

Project Intern

iNeuron. AI — 03/2023 - 04/2023

- Conducted thorough data cleaning, preprocessing, and analysis to facilitate the development of machine learning models
- Played a key role in designing, implementing, and evaluating machine learning model algorithms to address specific problem statements
- Analysed the performance of models and fine-tuned parameters to optimize accuracy and enhance predictive capabilities.
- Collaborated closely with team members to seamlessly integrate machine learning models into larger software systems, ensuring their successful deployment and functionality.

EDUCATION

Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering

Jawaharlal Nehru Technological University

08/2018 - 11/2021

GPA 6.9 / 10

TRAINING / COURSES

Machine learning certification course for beginners

Analytics vidhya

TECH STACK

Python MYSQL scikit-learn Streamlit Pipelines Pandas Numpy

PROJECTS

Employee promotion prediction

https://kalehariprasad-employee-promotion-predictions-app-7x6ya6.streamlit.app/

- Developed a highly accurate promotion prediction model with a remarkable 92% prediction accuracy.
- Utilized scikit-learn pipelines and the SMOTENC library to effectively handle imbalanced data and significantly enhance model performance.
- Developed a user-friendly streamlit web app to showcase the promotion prediction model.
- Implemented best practices in data preprocessing, model training, and model evaluation to ensure the highest possible prediction accuracy.
- Employed the web app as a practical demonstration of the developed model, enabling easy and interactive access to predictions for promotion likelihood.

Movie Recommendations system

https://kalehariprasad-movie-recommendatios-app2-bgkvok.streamlit.app/

- Developed a Python-based movie recommendation system leveraging the TMDB API.
- Collected comprehensive movie data, including titles, genres, posters, and cast information, from the TMDB API.
- Utilized popular libraries such as pandas and NumPy for efficient data manipulation and scikit-learn for similarity calculations.
- Built a recommendation system that suggests similar movies based on cosine similarity between their respective features.

College admission prediction system

https://kalehariprasad-college-predictions-app-utbfvp.streamlit.app/

- Developed a machine learning model using pipelines to accurately predict student admissions.
- Implemented essential data preprocessing techniques, including feature scaling and imputation, to effectively prepare the data for modeling.
- Implemented the model deployment using Streamlit Cloud, enabling seamless accessibility to the application through an intuitive web interface.
- Utilized scikit-learn pipelines to streamline the data preprocessing and modeling workflow, enhancing efficiency and maintainability.