Satyanarayana Merla

| linkedin | Portfolio | merlasatyanarayana123@gmail.com | +91 9493474149

Objective

I am excited about using data-driven insights to address complex challenges, and I am looking for a challenging role where I can apply my abilities in predictive modeling, data visualization, and natural language processing in a collaborative team setting. With a strong foundation in statistical data analysis and programming languages such as Python, as well as hands-on experience with tools such as TensorFlow and Keras, I am eager to contribute to a growing firm while expanding my knowledge of data science. I am excited to collaborate with talented individuals to address real-world challenges and develop meaningful solutions.

Work Experience

Associate Software Engineer Aug 2024 - Present

In my role as a Data Scientist at Trysol Global Services, I am focused on developing a recommendation system for our website. This project involves utilizing machine learning algorithms and data analytics to analyze user behavior and preferences, ultimately enhancing the user experience and driving engagement. I work collaboratively with cross-functional teams to define project requirements and ensure alignment with business goals. Through rigorous testing and model optimization, I aim to deliver a system that personalizes user interactions, contributing to improved retention and satisfaction.

Python Developer Feb 2023 - May 2023

Python Developer Intern,Pranathi software services,Hyderabad,
Enhanced ability to clearly explain technical concepts and collaborate effectively with team members. Worked well with colleagues to solve problems and share ideas, contributing to a productive team environment. Adjusted to changing project requirements and feedback, demonstrating flexibility in a dynamic work environment.

Projects

Recommendation System Development

Developing a recommendation system for the company new Product to enhance user engagement and satisfaction. Utilizing machine learning algorithms to analyze user behavior and preferences.Collaborating with cross-functional teams to gather requirements and align the project with business objectives.Implementing data analytics techniques to derive actionable insights for personalized user interactions.Conducting iterative testing and model optimization to improve system performance and achieve measurable results, such as increased user retention.

Classifying-anatomical-structure-in-2D-fetal-ultrasound images

Developed a deep learning-based solution using convolutional neural networks to classify fetal ultrasound images into abdomen, thorax, brain, and femur categories. •Implemented image data augmentation techniques for improving model accuracy.

Blood Donation Management System

Blood Donation Management System Developed a comprehensive blood donation management system featuring three modules: Hospital, Company, and Donor. The system streamlines communication between hospitals, companies organizing donation camps, and registered donors through user registration, email notifications, and a secure donor database, ensuring efficient coordination during emergencies and campaigns.

Crop-Recommendation-System-using-KNN-Algorithm

The Python script uses machine learning to recommend crop growth based on input factors like nitrogen, phosphorus, potassium, temperature, humidity, pH, and rainfall, with GUI and speech synthesis capabilities.

Education

2020 - 2023	Master of Computer Applications at **Vignan's institute of information technology (VIIT)**	(GPA: 7.0/10.0)
2017 - 2020	Bachelor of Science (BSc) at **Aditya degree college**	(GPA: 7.1/10.0)
2017	Class 12Th State Board	(7.6)
2015	Class 10Th State Board	(7.3)

Publications

Merla Satyanarayana, P Pavithra (Oct. 2023). "Paper: CROP RECOMMENDED SYSTEM USING MACHINE LEARNING," in: *Indian Political Science Association* LXXXV,3. URL: https://drive.google.com/file/d/1zZnBYP5cvmLbXuyLGEIiC2MNd0h97RFr/view.

Skills

Programming Languages
Python
Data Manipulation and Analysis
Pandas, NumPy, SciPy
data visualization
Matplotlib, Plotly, Seaborn.
Tools
TensorFlow, Keras, scikit-learn
Machine Learning
Deep Learning
Django, Fastapi
Structured Query Language(SQL)
Development Tools: Visual Studio Code, Jupyter notebooks, Git.