Abhishek saini

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ABOUT ME

I am a highly motivated 22-year-old student with exceptional decision-making skills and a proven track record in handling challenging situations. As a results-driven team player, I excel at managing multiple data-driven projects in fast-paced environments, while also being innovative in my approaches, adept at interpreting complex data, and enthusiastic about research. My soft skills include outstanding time management, effective team leadership, and strong public speaking abilities, making me well-suited for a career in data science.

PROFESSIONAL EXPERIENCE

Ineuron.AI (Data Scientist Intern) : Link Sep 2022 - july-2023

Project Objective: Development of a Machine learning & Deep learning

- Leveraged analytical models and applied mathematics to gain advanced proficiency in Graph Neural Networks (GNNs) and foundational networking concepts.
- Expertly managed and analysed large-scale telecommunications datasets using Python for querying tables and performing network modeling and optimization.
- Designed, developed, and validated bespoke GNN models tailored to diverse datasets, integrating Deep Learning data principles for enhanced performance.
- Demonstrated a strategic approach in executing proof-of-concept projects showcasing various applications of Digital Twins in the telecommunications industry, highlighting error analysis and pattern recognition.

Accenture (Data Scientist Intern & Certificate) June 2023 – Dec 2023

- Developed a robust quality indicator using machine learning algorithms such as linear regression and random forests, applying analytics to accurately predict recipe color for precise color matching.
- Employed k-means++ clustering and principal component analysis (PCA) to ensure consistent color outcomes during the mixing and spraying processes, integrating statistical analysis into the workflow.

SKILLS

- **Technical Skills:** Deep Learning | Machine Learning | Computer Vision | Cloud Computing | Data Analysis | NLP | DBMS
- **Frameworks:** TensorFlow | Scikit-learn | NumPy | Seaborn | Pandas | Matplotlib | OpenCV | Keras
- **More Skills:** Tableau | Power BI | MS Excel | MS Powerpoint
- **Languages:** Python | SQL

PROJECTS

GitHub: Link

End-to-End- hand - Sign - Classifiaction - Project - Yolov5 CNN and Transfer learning March 2023

- Developed a heat map for viewers, ensuring accuracy over 85% in strategic focus on areas with the highest secure over 70% data in train .
- Accurately annotated people in the input video using YOLO and traditional CNN, solving the challenge of precise tracking.
- Employed masking techniques to create a thermal gradient, innovatively highlighting areas of interest with reddish colors. This business-oriented approach aimed to enhance client satisfaction and improve overall performance.

Car - Price - Prediction - Project Using PCA & ML January 2023

- Gathered 5 years' worth of Car 24 datasets from Kaggle for comprehensive analysis, demonstrating discipline in data collection.
- Utilized Principal Component Analysis (PCA) to extract the most influential features affecting prices, ensuring clear interpretation of key factors.
- Used Long Short-Term Memory (LSTM) to serve accurate stock price forecasts based on previous day's data. These production-focused methods aimed to optimize the product and improve client satisfaction.

Gender- Classifiaction - Project USING MACHINE LEARNING ALGORITHM December 2022

- Performed feature selection and feature engineering to optimize the dataset for analysis, ensuring clear and accurate insights. This implement-oriented approach aimed to enhance client satisfaction and improve business processes.
- Employed machine learning algorithms such as Decision Trees, Random Forests, and Neural Networks to solve churn prediction challenges.
- Utilized Power BI and Matplotlib to collaboratively create insightful visualizations of the data.

Chicken - Disease- Classifiaction - Project December 2022

- Successfully developed and implemented an transfer-learning using CNN, ensuring efficient data processing and retrieval for healthcare needs. This concurrent system aimed to enhance client satisfaction and improve overall business processes.

EDUCATION

Shekhawati college, PDUSU Feb 2023
Bachelor in Science,Mathematics,Sikar

Navjevan science school, Sikar, Class 12, RBSE July 2019

Vardhman vidya vihar school, Class 10, RBSE March 2017