ABDUL SAMAD

DATA ANALYST

Portfolio: https://tech365developer.streamlit.app/

OBJECTIVE:

Dedicated professional with expertise in **machine learning**, **deep learning**, and **natural language processing (NLP).** Experienced in designing and implementing AI-driven solutions, including housing price prediction, sentiment analysis, and image-based classification models. Proficient in utilizing **Google Colab** and **Jupyter Notebook** for developing, testing, and deploying machine learning models. Passionate about leveraging advanced technologies to simplify complex problems and deliver impactful solutions.

Technical Skills:

- **Programming Languages:** Python, Flask, Streamlit.
- **Data Analysis Tools:** NumPy, Pandas, Matplotlib, Seaborn.
- **Machine Learning & Deep Learning:** Scikit-learn, TensorFlow, Keras, Pytorch.
- **Natural Language Processing:** Sentiment analysis, Text classification, Hugging Face.
- **Data Visualization:** Power BI, Microsoft Fabric.
- **Database Management:** SQL Server.

Projects:

1. **ANN-Based Housing Price Prediction**
   - Developed an artificial neural network to predict housing prices based on market data.
   - Achieved high accuracy using data preprocessing and model optimization.
2. **Sentiment Analysis Using Neural Networks**
   - Designed a deep learning model to classify user sentiments from text data.
   - Utilized techniques such as tokenization and word embeddings for feature extraction.
3. **Plant Disease Detection**
   - Created a convolutional neural network (CNN) model to identify plant diseases from leaf images.
   - Enhanced model performance by employing data augmentation techniques.
4. **Skin Cancer Lesion Classification**
   - Developed a deep learning pipeline for classifying skin cancer lesions using dermoscopic images.
   - Applied transfer learning to improve model efficiency and accuracy.

CONTACT:

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https://github.com/AbdulSamad512?tab=repositories

ABOUT ME:

I am passionate about transforming complex data into actionable insights that drive strategic decisions. I leverage Advanced techniques to deliver clear, impactful solutions.

EDUCATION:

For-Men College Nazimabad.
BS in Artificial Intelligence, [DUET].
Certified Artificial Intelligence Developer, [PIAIC].
Certified Python Developer, [ehunar].

5. **Order Data Analysis**

   I conduct analysis using Python, Pandas, SQL, and SQL Server, involving data import, cleaning, preprocessing, and loading into SQL Server. I then performed in-depth analysis with SQL queries to derive meaningful insights from the dataset.

Soft Skills:

- Strong communication and presentation skills
- Ability to convey complex concepts in simple terms
- Analytical problem-solving

Professional Experience:

Data Analyst & BI Consultant – [Diamond Supermarket HO]
[10-June-2024] – Present

- Uncovered insights from complex data sets to facilitate data-driven strategies across industries.
- Leveraged **Power BI** to design and implement interactive dashboards and reports, enhancing data visualization and decision-making.
- Specialized in **market analysis**, **dashboarding**, and **financial reporting**, delivering actionable insights to optimize business performance.
- Developed streamlined data pipelines, ensuring efficient integration and processing of diverse data sources.
- Utilized **Power Automate** and **Power App** for automation and workflow optimization, improving operational efficiency.
- Worked with **SAP B-ONE**, **Python**, **MSSQL**, and **Excel** to support advanced analytics and reporting.
- Applied **machine learning** and **deep learning** techniques to solve predictive modeling and classification problems, aligning solutions with organizational objectives.

AI Engineer – Alzaraan Software House
October 10, 2024 – Present (Part-Time)

- Working on a wheat leaf disease dataset to identify and classify diseases using advanced deep learning techniques.
- Collected and curated datasets to ensure high-quality data for analysis.
- Performed **data preprocessing** and **data augmentation** to enhance dataset diversity and improve model robustness.
- Designed and implemented a **CNN model** to achieve accurate classification of wheat leaf diseases.