Samreen Fatima

Data Scientist

[samreenfatima9840@gmail.com] | [8341926043] | [www.linkedin.com/in/samreen-fatima-834b48293]

Location: [Hyderabad, Telangana]

Projects

1. Detection of Lung Cancer from CT Images Using SVM

- Developed a machine learning solution to detect the presence of lung cancer in patients using CT scan images.
- Utilized Support Vector Machine (SVM) for classification, leveraging image preprocessing, normalization, and feature extraction techniques.
- Delivered a robust model capable of supporting early cancer detection, improving diagnostic efficiency in medical applications.

2. Brain Tumor Image Segmentation Using Deep Networks

- Created a model to identify and segment brain tumor regions in MRI images, aiding in precise medical diagnostics.
- Applied Convolutional Neural Networks (CNNs) and advanced deep learning methods for enhanced image analysis.
- Improved segmentation accuracy, paving the way for better patient outcomes through accurate tumor detection.

Skills

- **Programming Languages:** Python, SQL
- **Data Science:** Exploratory Data Analysis(EDA), Data Wrangling, Data Visualization, Predictive Modeling
- **Machine Learning:** Supervised and Unsupervised Learning, Deep Learning, Generative AI, Large Language Models (LLMs), Model Evaluation
- **Tools & Frameworks:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Gradio, Jupyter Notebooks
- **Data Visualization:** Matplotlib, Seaborn, Power BI
- **Version Control:** Git, GitHub

- **Other:** Natural Language Processing (NLP), Advanced Excel

---

Education

Bachelor of Engineering (B.E.) in Computer Science Engineering
Lords Institute of Engineering and Technology, 2020 - 2024

Intermediate: 2018-2020

SSC: 2018