SEMAL JOHARI

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EDUCATION

GAUTAM BUDDHA UNIVERSITY Greater Noida, UP
BTech in CSE with Specialization in Machine Learning (2021-2025)

WORK EXPERIENCE

STILLSWEB Noida, UP
Image Processing and AI Intern June, 2024 – September, 2024

- Worked on analyzing satellite multispectral data for the estimation of the local climate, vegetation indices and soil types in different farms to derive patterns for the types of crops grown due to the given factors.
- Leveraged the derived patterns for developing a recommendation engine for assisting farmers in selecting the crops to grow in specific regions and demonstrating the results through a data analytics dashboard

OMNIPRESENT ROBOT TECH Greater Noida, UP
Machine Learning and IOT Intern July 2022 – August 2022

- Worked on developing a software for an Indoor Autonomous Warehouse UAV using Computer Vision, Drone Technology and IoT for detecting and recognizing objects
- Used various Python frameworks and libraries like PyTorch and OpenCV.

PROJECTS

TRANQUIL TOUR – TOURISM WEBSITE | Github April, 2023 - June, 2023

- Developed a Tourism website 'Tranquil Tour' using HTML-CSS for providing travel guides to tourists, and rendered the search bar using the Flask framework.
- Implemented a Recommendation System in the search bar using Collaborative Filtering, modeled using Scikit-Learn, Pandas and SciPy libraries, which gives recommendations of Indian cities to the users based on the cities entered by them.

GROCERY STOCKS LEVEL PREDICTION WEBSITE | Github July, 2023

- Trained a Machine Learning model using a Multiple Regression algorithm using the Pandas, Scikit-learn libraries, Matplotlib, Sweetviz and Seaborn libraries, to predict the stock levels of a hypothetical Groceries Enterprise, based on the data from IOT sensors from the storage cell and the sales data.
- Developed the web application of the model using HTML-CSS.

HR DATA ANALYTICS DASHBOARD | Github August, 2024

- This Data Analytics project, developed using Microsoft Power BI and Power Query, offers a comprehensive analysis of various employee related insights for a hypothetical company.
- It utilizes several visualization tools to explore key metrics, including departmental distributions, monthly income levels, promotion and retrenchment statuses, and more

TECHNICAL SKILLS

Languages: Python, SQL, HTML-CSS, Dart, C, R, Java
Frameworks: Flask, Numpy, Keras, TensorFlow, Streamlit, Scikit-learn, Matplotlib, Pytorch, OpenCV, SciPy, Seaborn, Pandas, Geopandas, Sweetviz, HuggingFace
Technologies: Machine Learning, Data Science, Deep Learning, Computer Vision, Natural Language Processing, Cloud Technology (Microsoft Azure, Google Cloud Platform, Amazon Web Services), Generative AI, Neural Networks, Git & GitHub, Large Language Models, Retrieval Augmented Generation, Web Development

ADDITIONAL

Certifications: Microsoft Certified: Azure Data Scientist Associate by Microsoft, Career Essentials in Generative AI by Microsoft and LinkedIn, Career Essentials in Data Analysis by Microsoft and LinkedIn, Artificial Intelligence Virtual Experience Program by Cognizant, SQL (Advanced) by HackerRank, Artificial Intelligence ESDP by IITK and MSME, AWS Knowledge: Cloud Essentials by Amazon Web Services, Data Analytics and Visualization Job Simulation by Accenture, Machine Learning with Python by IBM

Achievements: First Position in Microsoft Azure Blogathon by ID8NXT and Microsoft Azure, LinkedIn Top Data Science Voice, 5 Star Rating on HackerRank for Python and SQL