SWARNA ASHIK

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Hyderabad

Linkedin

GitHub

SUMMARY

A Data Scientist ,data analyst and engineer proficient in Data analytics, Visualisation & Model Development with experience in using machine learning algorithms, Deep Learning, NLP & Big Data to solve challenging industry problems.
Seeking to apply for the position of Data Scientist with excellent understanding of data science to build models that translate data points into business insights

KEY SKILLS

Python Programming Language

Sqlite

Data Analytics with tableau

Machine Learning, NumPy, Pandas, Matplotlib, Seaborn, Good in EDA

Data Cleaning

Data analysis & Visualization

Web Scraping with beautifulsoap

Deep Learning

Natural Language Processing(NLP)

Knowledge on git and github

PACKAGES & TOOLS

Packages

- Numpy
- Scikit Learn
- Seaborn, Matplotlib
- Tensorflow 2.0

INTERNSHIPS

Data science Intern

Jul '22 - Jan '23

Flip Robo Technologies Remote

- Work on different Web scraping , NLP, ML and CV based projects
- Performed data collection (Web Scraping) using selenium, visualization using matplotlib, Seaborn & implemented Machine learning model building pipeline successfully.
- For each project Detail Project Report(DPR) and Presentation are prepared to document Identified , analyzed and interpreted insights in complex data & Model development.
- Literature review is conducted & documented in each DPR

PROFESSIONAL EXPERIENCE

Senior Systems Engineer

Cognizant Technology Solutions Hyderabad

Having 1.5 years of experience on

Web scraping ,Excel ,Data visualization, Hadoop technologies

- Apache Hadoop is used to **efficiently store and process large datasets ranging in size from gigabytes to petabytes of data .**
- Data visualization helps to tell stories by curating data into a form easier to understand, **highlighting the trends and outliers.**
- Excel enables users to format, organize and calculate data in a spreadsheet
- Web Scraping using Python (and Beautiful Soup) is **used to extract data from the web, manipulate and clean data using Python's Pandas library**

KEY PROJECTS

1) Movie Recommendation System

Self-learning purpose

Movie Recommendation : **Recommendatihow to analyze and visualize the data using pandas and matplotlib libraries and have also learned the use of XGboost .**

Objective: In this implementation, when the user searches for a movie we will recommend the top 10 similar movies using our movie recommendation system. We will be using **an item-based collaborative filtering** algorithm for our purpose.

Data source form Kaggle

2) Car price Prediction prediction Using ML

Flip-robo technologies

Objective: Predicting the prices of used cars and building various Machine Learning models and Deep Learning models with different architectures

Data source form Kaggle and there are **5511rows and 10 columns**

Solution: Here predicting the car price using the various parameters that were provided in the data about the car. Here build machine learning and **deep learning models to predict car prices and saw that machine learning-based models performed** well at this data than deep learning-based models.

Tools

- Python
- Jupyter Notebook, Colab
- Heroku
- Tableau
- Vmware

CERTIFICATIONS

- PG program in Data science, Machine learning & Neural Networks in collaboration with IBM
- Certificate in Data science and ML projects
- Full stack Bigdata form Data Trained
- NLP with Machine Learning
- Business Analytics With Tableau

ADDITIONAL SKILLS

- Can be self-motivated, Flexibility to relocate
- Good logical and reasoning skills,
- Have the capability of finishing assigned task on time,
- Ability to adapt to changing work environments and priorities,
- Good Analytical skills, Good communication skills

3) Surprise- House Price Prediction--House price prediction & analysis Project

Flip-Robo technologies

Objective: Gather key gain Insights about data & predict Resale housing price in Austraila.

Dataset: Housing Austraila dataset contains 1168 rows with 81 columns

Solution: Performed data cleaning , Data preprocessing, Detailed EDA, performed Feature selection, model deployment.

Key Achievements: Implemented Random Forest Regressor model with best R2 score of 91%

4) Breast cancer detection technique using ML

University final year project

Objective : In this **Machine learning project we analyze and classify Breast Cancer (that the breast cancer belongs to which category), as basically there are two categories of breast cancer** that is:

- Malignant type breast cancer
- Benign type breast cancer

Datasource is from kaggle

Summary: In this Breast Cancer Classification project in a very easy way using a Neural network. **Model accuracy is 98.8 % on training data and 97.9% accuracy on validation data** and also seen that our **model is classifying test data very efficiently and accurately.**

So in this project, I have learned **how to analyze and visualize the data using pandas and matplotlib libraries and have also learned the use of XGboost ada boost classifiers..**

EDUCATION

Master of computer applications (MCA) — Oct '20 - Jul '22

Central University of Haryana — Haryana

Bachelor of computer applications (BCA) — Jul '17 - Jun '20

Acharya Nagarjuna University — Ongole, Andhra Pradesh

11th & 12 th class — May '15 - May '17

Jawahar Navodaya Vidyalaya — Ongole, Andhra Pradesh

10th class — Apr '14 - Apr '15

Sriji High school — Ongole, Andhra Pradesh

ACHIEVEMENTS

- Qualified in **AMCAT** with aggregate 95%
- Qualified in **Elitmus** with aggregate 71%
- Member in **"National Service Scheme(NSS)"**

HOBBIES

- Listening to motivational and inspirational podcasts, Writing poems, Taking long walk