UPENDRA GOSAVI

Data Scientist

MY CONTACT

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GITHUB

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SKILLS

- Programming languages: **Python**, **SQL**, and other languages relevant to **data science**.
- Data manipulation and analysis: Experience with **data cleaning, transformation**, and **analysis**.
- **Statistical modeling:** Familiarity with **statistical modeling techniques**, such as **regression analysis** and time series forecasting.
- **Machine learning:** Experience with **supervised** and **unsupervised machine learning** techniques.
- Data visualization: Proficiency with data visualization tools like **Power BI**, **Seaborn** or **Matplotlib**.

Professional Experience

Ai-Variant (Data Scientist As Intern)

Sep 2022 - feb 2023 (6 Months)

Key responsibilities:

- Pre-processed the data to prepare it for analysis.
- Analyzed the data using statistical techniques to gain insights.
- Gained practical experience working on other data science projects throughout the internship.
- Developed valuable skills that will help prepare for a career in data science.
- Collaborated with a team of data scientists and received mentorship from experienced professionals.

Wipro (IT-Support)

oct 2019 - aug 2021

Key responsibilities:

- Troubleshooting technical issues related to hardware, software, and networking.
- Providing excellent customer service to end-users.
- Documenting technical support activities for accurate record-keeping.
- Providing remote support using tools to assist users remotely.
- Effective time management to handle multiple requests.
- Adaptable and flexible to changing priorities and evolving technologies.
- Basic understanding of IT infrastructure to troubleshoot network-related issues.

Education Background

- **EXCEL'R SOLUTION**
  july 2022 - Feb 2023 Course of Data Science & Data Analyst
- **NAVJEEVAN EDUCATION SOCIETY POLYTECHNIC**
  2014 -2019 Diploma In Information Technology

About Me

I'm a passionate Data Scientist and Analyst with strong analytical skills. I'm always exploring and implementing cutting-edge technologies like **Machine Learning**, **Python**, **Power BI**, **Excel**, **NLP**, **Deep Learning** and **MySQL**. I thrive on unleashing my talent and using it to its full potential. My focus is always on practical solutions that can improve technology and management.

As a Computer Science expert, I'm results-oriented and highly motivated to gather, analyze, and interpret data sets. I have a keen understanding of business needs and excel at gathering client requirements. Let me help you harness the power of data to drive your business forward!

PROJECTS

Customer Churn

1. **Data collection and preprocessing:** Collect relevant data from various sources, clean and preprocess the data. Handle missing values and encode categorical variables.
1. **Exploratory data analysis (EDA):** Perform EDA to understand the data and relationships between features and the target variable.
1. **Feature engineering:** Create new features that can be relevant to the problem statement.
1. **Model selection:** Choose the appropriate algorithm(s) for the problem. This may include supervised learning algorithms such as logistic regression, decision trees, random forest, or neural networks.
1. **Model training:** Split the data into training and validation sets, train the model using the training set, and tune the model parameters to achieve optimal performance.
1. **Model evaluation:** Evaluate the performance of the model on the validation set. Use appropriate metrics such as accuracy, precision, recall, or F1 score.
1. **Model deployment:** Deploy the trained model in a production environment for real-world predictions.

Sentiment Analysis

1. **Data collection:** Collect the necessary data from the e-commerce website by web scraping. This includes extracting the product name, customer reviews, and ratings.
1. **Data preprocessing:** Preprocess the data by cleaning it, removing unwanted characters, and transforming the data into a format suitable for NLP algorithms.
1. **Exploratory data analysis (EDA):** Perform EDA to get insights into the data, such as identifying the most frequent words in the reviews and their sentiment.
1. **Feature engineering:** Create new features from the existing ones that may be relevant to the problem. This may include creating a bag of words or TF-IDF matrix.
1. **Model selection:** Choose the appropriate NLP algorithm(s) for the problem. This may include sentiment analysis algorithms such as Naive Bayes, Logistic Regression, or Support Vector Machines.
1. **Model training:** Split the data into training and testing sets and train the model using the training set. Tune the model parameters to achieve optimal performance.
1. **Model evaluation:** Evaluate the performance of the model on the testing set. Use appropriate metrics such as accuracy, precision, recall, or F1 score.
1. **Model deployment:** Deploy the trained model to predict the sentiment of new reviews.

Leaf Desease Detector

1. **Data collection:** Gathered a comprehensive dataset comprising images of both healthy and diseased leaves from various sources, including field photographs.
1. **Data preprocessing:** Preprocess the data by resizing the images, normalizing pixel values, and splitting the data into training, validation, and testing sets.
1. **Model architecture selection:** Choose the appropriate CNN architecture for the problem, such as VGG, ResNet, or Inception.
1. **Model training:** Train the model using the training set, using techniques such as data augmentation, transfer learning, or fine-tuning.
1. **Model evaluation:** Evaluate the performance of the model on the validation and testing sets using metrics such as accuracy, precision, recall, or F1 score.
1. **Model deployment:** Deploy the trained model in a production environment to detect leaf diseases automatically.