SANJAY JADHAV

Associate Data Scientist

Sanjay Jadhav, Nisarg society

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OBJECTIVE

Over 3 years of successful research experience in Data Analysis and Machine Learning. Furnish executive leadership team with insights, analytics, reports and recommendations enabling effective strategic planning across all business units, distribution channels and product lines.

PROFESSIONAL SYNOPSIS

• Experience with common data science toolkits such as Jupyter.
• Able to investigate Data Visualization and summarization techniques conveying key findings. • Ability to write a clean and production code with Object Oriented Programming in Python.
• Development of REST APIs in Python.

• Knowledge of Python's Data Analysis and Machine Learning Libraries
• Knowledge of data visualization technique with Tabula.
• Ability to use Web Scraping Tools as Beautiful Soup.
• Implementation of regularization techniques like Lasso and Ridge in regression.

• Data mining algorithm experience in the families of predictive algorithms (Regression, KNN, Decision Trees) and clustering algorithms (k- means clustering).
• Ability to process Text Processing using NLTK library and other Natural Language Processing techniques.

• Ability to develop a front end UI with Flask and Python
• Expertise in working with Pandas, Numpy, Sklearn ,Web Scrapping.
• experience of using Python packages like Pandas, NumPy, Matplotlib or Seaborn for data manipulation and visualization

EDUCATION

B. E. : Electronic and communication
Shree Tuljabhavani College Of Engineering Tuljapur

TECHNICAL EXPERTISE

● **Python/ML Packages:**
Numpy, Pandas, Sci-py, Scikit-learn, Seaborn, Matplotlib.

● **Machine learning :**
Linear Regression, Ridge & Lasso Regression, Logistic Regresssion, Naive Bayes Classifier, k Nearest Neighbor's Classifier, Support Vector Machine, Decision Tree, Random Forest, Gradient Descent, Ada-Boost, Gradient Boosting, XGBoost, K-means Clustering.

● **Text Processing :**
NLTK, Term Frequency-Inverse Document Frequency (TF-IDF), Bag of Words.

TECH STACK

Python	AWS	Flask	Django	Git	Docker	Linux	Windows	MongoDB

PROFESSIONAL WORK EXPERIENCE

Organization – Harman International, Pune **Designation – Associate Data Science Engineer** **Duration – Aug 2018 to till Date**

PROJECTS UNDERTAKEN

Associate Data Scientist

Project Title : Loan default Prediction

- **Environment :** Python, Flask, AWS. **Tools :** Data Analysis, Machine Learning **Description :**
  With the enhancement in the banking sector lots of people are applying for bank loans but the bank has its limited assets which it has to grant to limited people only. Banks gives money to people in exchange for the promise of repayment. Some will default on the loans, being unable to repay them for some reason. The main objective was to predict which people will default on their loans based on their financial information. **Roles and Responsibilities :**
- **Collected, analyzed and interpreted raw data** from various data sources.
- Work closely with various teams across the company **to identify and solve business challenges** utilizing large structured, semi structured, and unstructured data in a distributed processing environment.
- **Assess the effectiveness** of new data sources and **data gathering techniques**.
- **Coordinate** with different **functional teams** to implement models and monitor outcomes.
- Use **predictive modeling** to increase and optimize customer experiences, **revenue generation**, ad targeting and other business outcomes.
- Used **statistical analysis** to determine **data behavior**.
- Perform **quantitative analysis** of trends to predict risk .
- **Analyzed data** to discover **trends and patterns**.
- Used **machine learning** on the data to create **predictive models**.
- **Produced insights** using **supervised machine learning**.
- **Coordinate** with different **functional teams** to implement models and monitor outcomes. Develop processes and tools to monitor and **analyze model performance** and data accuracy.

Associate Data Scientist

Project Title : Document Classification

- **Environment :** Python
  Tools : Data Analysis, Machine Learning or Natural Language Processing. **Description :**
  Document Classification software automatically learns the key features that can be used to reliably identify one document from another based on examples of your documents, which is all there is no need for OCR. Document Classification software uses visual elements or existing digital text instead. **Roles and Responsibilities :**
- **Developing** and **implementing** advanced analytics approaches including **statistical modeling**, **machine learning algorithms**, **text mining**, **regression, web analytics** etc .
- Work with very **large data sets** (both structured and unstructured) and **design, develop and implement R&D** .
- Perform **Data cleansing** transformation, **feature engineering,** apply statistical analysis, **data visualization, data mining.**
- **Design** and develop solutions using various **algorithms** and define path to **implementation with IT teams**.
- **Establish scalable, efficient, automated processes** for **model development**, model **validation**, model **implementation** and **large scale data analysis**.

PERSONAL PROFILE

Name	:	Sanjay R Jadhav
Date of Birth	:	17th January 1988
Languages Known	:	English, Marathi and Hindi.

DATE :   **Regards**

Pune   :   **Mr. Sanjay Jadhav**