Shivaji Shinde

Data Science Engineer

**SUMMARY:**

### Overall 3.3 Years of experience as a Data Science using Machine Learning Algorithm, Deep Learning Algorithm, Natural Language Processing, Python Programming and SQL.

* Rich Experience in architecting Artificial Intelligence applications with Machine Learning, Hypothesis Testing and Deep Learning Techniques includes ANN, RNN, LSTM.

### Skilled in libraries such as Pandas, Numpy, Scikit-Learn, Tensor flow, Keras, NLTK, Spacy, Matplotlib, Seaborne, finance, Spicy, Picrate, bs4, Regular Expression, Genism.

* Sound knowledge of Web Scraping, GIT, Flask and Streamlet.

**TECHNICAL SKILLS:**

* **Machine Learning**: - Linear Regression, Logistic Regression, Nearest Neighbor, Support Vector Machine, Naïve Bayes, Decision Tree, Random Forest, XGBoost, K-means, Dimension Reduction.
* **Deep Learning**: - Neural Networks, ANN, CNN, RNN, LSTM.
* **Natural Language Processing**: - TF-IDF, Bag-of-words, Topic Modeling, Text Pre-Processing, Tokenization, Stemming, POS, NER, Sentiment Analysis.
* **Statistical Techniques**: - Statistical Modeling, Hypothesis Testing, Predictive Modeling.
* **Languages**: -Python, SQL.
* **Platforms and Misc.**: - Sage maker Studio, Jupiter Notebook, Anaconda, Google Colab.
* **Operating Systems**: - Windows.
* **Database**: - MySQL

**KEY PROJECTS:**

Sequence1

* **Title**: - Sentiment Analysis.
* **System/Component**: - Ecommerce
* **Technology**: - Python, Machine Learning, Deep Learning, NLP
* **Role**: - Data Science Engineer

**Project Description:** We’re dealing with a supervised classification problem. The goal is to train the best machine learning model to maximize the predictive capability of deeply understanding the past customer’s profile predict Sentiment or Satisfaction of a purchase based on multiple features and review text.

**Roles and Responsibilities:**

* + Developing and implementing exploratory data analysis, data collection systems and other strategies that optimize statistical efficiency and quality.
  + Use predictive models to improve customer experience, targeting, revenue generation and more.
  + Develop processes, techniques, and tools to analyze and monitor model performance while ensuring data accuracy.
  + Work with stakeholders to determine how to use business data for valuable business solutions.
  + Coordinate with various technical/functional teams to implement models and monitor results.

Sequence2

* **Title**: - Identify Credit Card Transaction is Fraudulent or Non-Fraudulent.
* **System/Component**: - Banking and Finance
* **Technology**: - Python, Machine learning, Deep Learning, Scikit-Learn, Tensor flow.
* **Role**: - Data Science Engineer.

**Project Description:** Finance Industry is the biggest consumer of Data Scientists. It faces constant attack by fraudsters, who try to trick the system. Correctly identifying fraudulent transactions is often compared with finding needle in a haystack because of the low event rate.

It is important that credit card companies are able to recognize fraudulent credit card transactions so that the customers are not charged for items that they did not purchase.

**Roles and Responsibilities:**

* + Understand and analyze customer requirements and business logic.
  + Collected historical data and third party data from different data source.
  + Perform data exploratory analysis using pandas, matplotlib and statistical technique.
  + Apply different types of algorithms to develop the model and use confusion matrix to calculate the result.
  + Identifying production and non-production application issues, ensuring designs comply with specifications, transforming requirements into stipulations.
  + Support continuous improvement, investigating alternatives and technologies, Presenting for architectural review.
  + Changes to improve established process develop technical designs for development.

**EDUCATION:**

* Completed graduation in **Bachelor of Engineering** – ISB&M School of Technology, Nande, Pune.