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| **Mayuri M Shete**  Cell No.: +91-9156174315  Email: [mshete031@gmail.com](mailto:mshete031@gmail.com)  **Designation: ML Engineer**  To associate with an Organization which dynamically gives me chance to improve my Knowledge, upgrade my skills and could take part in the growth of the Organization |

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| **PROFESSIONAL SUMMARY** |

Professional having 2.5 years experienced in Machine Learning with the ability to apply ML techniques and algorithm development to solvereal-world business problems

Highly adept at machine learningtechnique clustering and classification, statistical modelling, NLP, text analysis, data analysis and data visualization to increase business efficiency

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| **HIGH-LEVEL SUMMARY OF RESUME** |

* A detail oriented professional **with 2.5 years of experience Python, Machine Learning with expertise in Financial Domain**
* Knowledge of Python and **Machine Learning Libraries**
* Able to investigate **Data Visualization** and summarization techniques conveying key findings.
* Strong python programming experience in **List**, **String**, **Dictionary**, **regular expression**
* Communicates findings and obstacles to team members to achieve best approach.
* Ability to write a clean and production code with **Object Oriented Programming** in **Python.**
* Ability to develop a frontend UI with **Flask** and Python
* Thorough understanding of **Probability** and **Statistics**, **Bayesian** methods, T**ime Series** analysis
* Experience in data management tools – **MongoDB database**.
* Implementation of **regularization** techniques like **Lasso and Ridge in regression**
* Data mining algorithm experience in the families of predictive algorithms (**Regression, KNN, SVM**) and clustering algorithms (**k-means clustering**).
* Ability to process Text Processing using **NLTK** library and other **Natural Language Processing** techniques.
* Knowledge of **Recommendation system using Collaborative and Content based filtering**.
* Source code management and Version Control system using **Git and GitHub**
* Strong **communication and interpersonal skills.**

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| **TECHNICAL CORE COMPETENCIES** |

* **Machine Learning and Data Science**:
* Knowledge of Machine Learning Fundamentals.
* Python/ML Packages: Scikit Learn, Pandas, Numpy, Seaborn, Matplotlib
* Text Processing: NLTK, Term Frequency-Inverse Document Frequency (TF-IDF), Bag of Words
* Machine learning**:** Linear Regression, Ridge & Lasso Regression, Logistic Regression, Naïve Bayes Classifier, k Nearest Neighbor’s Classifier, Support Vector Machine, Decision Tree, Random Forest, Ada-Boost, Gradient Boosting, XG-Boost, K-means Clustering.
* Time-Series Analysis**:** ARMA, ARIMA, SARMAX models for time series data analysis.
* Recommendation System**:** Collaborative and Content based filtering.
* **Supporting Technologies**:
* Programming Languages: Python
* Cloud Platforms/Services: AWS
* Web stack: Flask
* DevOps: Github, Docker
* Operating Systems: Linux, Windows
* Database: MongoDB

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| **PROFESSIONAL WORK EXPERIENCE** |

Intern at Arya Solution Pvt. Ltd, Punefrom Oct 2019 to Mar 2020

Currently working at Principal Global Services Pvt. Ltd**,** Pune as a ML Engineer from Apr 2020 to till date

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| **EDUCATION** |

**B.E.** from Savitribai Phule Pune University, Pune **[2020]**

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| **PROJECTS HANDLED** |

**Project #1**

**Project Title :** Enterprise Document Management System

**Domain Type :** Document Classification

**Work Description:**

Document classification systems are advanced AI-based machine learning algorithms that automaticallyrecognize certain patterns in the texts and based on them, they can automatically classify sentences, phrases. By classifying text, we are aiming to assign one or more classes or categories to a document, making it easier to manage and sort. then Create a list of document types and allocate one or more unique keywords or phrases that will only appear in that document type to each. Some technical details:

* Preprocessing documents: OCR (pytesseract, Amazon Textract, Google Vision)
* Text processing
* Classifier: Naïve Bayes (Multinomial)

**Responsibilities:**

* Working on Data Exploration & Mining - Enhancing data collection procedures to include information that is relevant for analytic systems
* Data Structuring and Organizing - Processing, cleansing, and verifying the integrity of data used for analysis
* Coordinate with different functional teams to implement models and monitor outcomes

**Project #2**

**Project Title :** Loan Prediction System

**Domain Type :** Finance

**Work Description:**

Drive efficiency in loan origination software, syndication, and specialized lending programs. Streamline your lending processes, from pre-qualifying through closing, to deliver increased loan volumes. Client enables to accelerate loan approvals and improve loan efficiency across delivery channels. Complexity can stem from the variation of loan types and terms that are governed by compliance policies to ensure alignment with anti-usury and non-discrimination practices, or from loans which are underwritten with a guarantor, or have complex collateral. Any of these factors can slow the borrowing process.

**Responsibilities:**

* Inspecting, cleansing, transforming and modeling data with the goal of discovering useful information.
* Analyzed data to discover trends and patterns
* Used statistical analysis to determine data behavior.
* Used machine learning on the data to create predictive models
* Perform quantitative analysis of trends to predict risk
* Search for ways to get new data sources and assess their accuracy.
* Develop processes and tools to monitor and analyze model performance and data accuracy.

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| **PERSONAL DETAILS** |

Date of Birth : June 23, 1998

Gender : Female

Marital Status : Single

Languages Known : English, Hindi, Marathi

Address : Iris Apartment, Magarpatta Rear Approach, Hadapsar, Pune