Jayshri Lokhande

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Education

Bachelors in Engineering
Savitribai Phule Pune University
2011

Diploma
GPP 2007

Expertise

- **Language:** Python
- **ML Techniques:** Supervised& Unsupervised Algorithms
- Natural Language Processing
- **Python/ML Packages** : Pandas, NumPy, Sci-Py, Scikit-learn, Seaborn, Matplotlib, Flask, Tensor flow, Keras
- **Database:** MYSQL, Mongo dB
- **IDE** : Jupiter Notebook, JupyterLab, Google Colab, VSCode
- **Version Control:** Git, GitHub
  Postman API Tester
- **Operating Systems** : Windows
- **Other Tools :**PowerBi,Agile,Jira

ML Project Engineer

A passionate ML Project Engineer having close to 3 Years of experience in predictive modelling, data processing, and data mining algorithms to solve challenging business problems. Strong background in Python and knowledge of various types of machine learning techniques.

Total Experience 7+ Yrs.

Calsoft, Pune

ML Project Engineer

October 2020 – Present

Systech Automation Systems, Pune

.Net Developer

February 2012-December 2017

Technical Skills

- A professional with an experience in Python, Data Science and Machine learning, Deep Learning and Natural Language Processing with expertise in historical data and sentiments analysis domain projects.
- Ability to achieve in-depth understanding of the problem domain and available data assets.
- Able to investigate Data Visualization and summarization techniques conveying key finding ability to write clean and production code with OOPs in Python.
- Knowledge of Python's data analysis and Machine Learning Libraries
- Neural Networks, Deep Learning, ANN and CNN, Opencv.
- Experience in data management tools - Relational and SQL databases.
- Representation & classification techniques, Text clustering in NLP
- Filter, Wrapper, Embedded Method, P-Value, T-Test, Z-Test, ANNOVA Test
- Square Test, Info-Gain Test, Hypothesis Testing.
- Machine learning: Linear Regression, Ridge & Lasso Regression, Logistic Regression, Naïve Bayes Classifier, KNN, Support Vector Machine, Decision Tree, Random Forest, Ada-Boost, K-means Clustering.
  NLP: Understanding, representation, classification & clustering of Text
- Libraries: nltk, spacy, Lang detects, google trans, BOW, TFIDF,
- word2vec,keypharse extraction, N-grams, Wordcloud, BERT, RNN, LSTM,Transfer Learning,Fine Tuning
- Elastic Compute Cloud, Sage maker Notebook instance, Simple Storage Services S3, Deployment, RDS, DynamoDB, Lambda

Projects

Project Title: Hotel Booking Cancellation Prediction using Machine Learning (ML)

Project Description:

Developed a machine learning model to predict whether the booking of

Languages

English
Hindi
Marathi

Hobbies

Trekking
Watching
Movies

Marital Status

Married

hotel will be cancel or not by using ML techniques.

Roles and Responsibilities:

- Understand, analyze, and interpret large datasets
- Develop advanced programs to extract the data needed, prepare data for further analysis
- Gathered and preprocessed the data using Python libraries such as Pandas and NumPy.
- Conducted EDA to identify key features, visualize and to derive features from data
- Build a binary classification model using Scikit-Learn to predict the booking will cancel or not based on input features.
- Evaluated model performance using metrics such as accuracy, precision, recall and F1-score to compare the performance of different models.
- Extracted meaningful insights to stakeholders.

Project Title: Toxic Reviews Sentiment Analysis using Natural Language Processing (NLP)

Project Description:

Developed a NLP model to predict the sentiment of hotel reviews and separate out toxic reviews by using NLP techniques such as text preprocessing, feature extraction and machine learning algorithms.

Roles and Responsibilities:

- Performed EDA and Preprocessing techniques such as tokenization, stemming and stop words removal to create clean and meaningful text data for machine learning models.
- Build a classification model using Scikit-Learn to classify hotel reviews based on input features such as reviews.
- Evaluated model performance using metrics such as accuracy, precision, recall and F1-score to compare the performance of different models.

Achievements

- **Got Third Prize in state level poster presentation.**
- **Certification in Microsoft .NET Framework 3.5, ASP.NET Application Development.**