Bhagyashree Parab
Associate Machine Learning Engineer

✉ bhagyashree.02parab@gmail.com
☎ +919561917121
📍 Dhaval Nilayam Katraj. Pune 411046

Skills

- **Machine Learning :**
- Decision Tree,
- Random Forest, Adaboost,
- Logistic & Linear Regression,
- KNN, K-means clustering,
- Naïve Bayes, SVM,
- XGBoost.

- **Deep Learning :**
- ANN, CNN, RNN, LSTM, Autoencoder,
- Transfer Learning Models,
- Computer Vision,
- Object Detection,
- YOLO.

- **NLP :**
- NLTK, Text pre-processing,
- Word Embeddings (Word2Vec, GloVe),
- Named Entity Recognition (NER), Sentiment Analysis, Text Classification
- Transformers, BERT.

- **ML and DL Libraries:**
- Scikit-learn,
- Seaborn, Matplotlib,
- OpenCV, Keras and Tensor flow, Transformer.

- **Python :**
- Programming: Python,
- Object-Oriented Programming (OOP),
- Regular Expressions.

- **Data Analysis**:
- NumPy, Pandas,
- Exploratory Data Analysis (EDA)

- **Database :** MySQL.
- **Cloud** : AWS.
- **Web Framework**: Flask.
- **Methodology** : Agile.

About Me

I am having 5 + years of IT and relevant 2.10 years of Data Science experience with expertise in a technical field, statistics, passionate about data and its influence on fact and insight-driven decision making. I can perform all types of exploratory data analysis and modeling of Machine Learning, Deep learning and NLP. Seeking an opportunity to further enhance my skills and drive my data science career to new heights.

Professional Experience

Clarion Technologies , Pune — Associate ML Engineer
MAY 2021- PRESENT

Tata Consultancy & Services, Pune. — Associate System Engineer
MAR 2013 - MAR 2016

Project Experience

Project :E-Commerce Product Review Ranking and Sentiment Analysis.
Domain: E-commerce Domain
Description: Product review ranking and sentiment analysis are essential for maintaining customer satisfaction, improving products and services, and making data-driven decisions to grow your business.(Natural language Processing + Python)

Roles & Responsibilities:
- During Feature Engineering Extracted relevant textual attributes to enhance analysis which includes Language Detection, Gibberish Detection, and Profanity Detection.
- Review Ranking Developed algorithms for review prioritization. Considered star ratings, sentiment scores, and keyword frequency.
- Implemented a system for continuous monitoring of customer sentiment and review rankings, enabling real-time responses to changes in customer feedback.

Project : **Automatic Vehicle Number Plate Recognition (ANPR) System (Easy OCR and CV2).**
Domain: Automotive Domain
Description: Our ANPR system is designed to automatically detect and recognize vehicle license plates from digital images.(Deep Learning + Python)

Education

Pune University, Pune
Master of Engineering
8.6 CGPA

Shivaji University, Kolhapur
Bachelor of Engineering
68 %

Certifications

C# . Net Professional Training in Tata Consultancy and Services, Pune . March 2013- July.2013.

Extracurricular Activities

- Part of TUFFS College Level Group for Personality Development and Interview Preparation.

- Hosted RESHIMSARI in association with all team Members.

LANGUAGES

English,
Hindi,
Marathi

Roles & Responsibilities:
- Collected and preprocessed image data for model training.
- Conducted data analysis to identify patterns and trends in license plate recognition. Developed data pipelines for real-time ANPR, optimizing data flow and processing.
- Trained and fine-tuned machine learning models for character recognition on license plates. Worked on ensuring data quality and reliability for accurate recognition.

Project : **Prediction of Fraud Vehicle's Insurance Claim Detection**
Domain: Finance
Description: A leading insurance company is in need of a system that helps to make decisions about fraud vehicle's insurance claims. This will be helpful to reduce the chances of fraud insurance claims and overcome the huge amount of losses.(Machine Learning + Python)

Roles & Responsibilities:
- Understand problem statement and perform Exploratory Data Analysis for deeper comprehension and Utilizing various machine learning algorithms to get proficient accuracy.
- Involved in requirement gathering.
- The recommendation engine was created as an AI integrated module for the prediction of fraud vehicle insurance claim detection.
- Applying suitable algorithms for achieving better accuracy

PREVIOUS PROJECTS (2013-2016)

Car Infotainment System for NISSAN

Developed the screens for Car infotainment system using Fujitsu tool. This system gives better user interface to access the interior and exterior of system.

INVOICE Processing
Delivered the processed invoice for client to maintain the system using oracle invoice processing tool.