

Rakesh Gayakwad

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Professional Summary

A passionate **Data Scientist** having close to **3.5 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

~ Python

~ Machine Learning

~ NLP

~ Data Mining

~ Deep Learning

~ SQL

~ Math&Stats.

~ AWS

~ Flask

- Good scripting and programming skills
- Experience with common data science toolkits, such as Anaconda, NumPy, MatLab, Pandas, Seaborn, SciKit-Learn, NLTK, etc.
- Excellent understanding of machine learning techniques and algorithms, such as k-NN, Decision Tree, Random Forests, K-Means Clustering, Naive Bayes, SVM etc.

ML and DSA:

- **Python/ML Packages:** Numpy, Pandas, Scikit-learn, Seaborn, Matplotlib.
- **Machine learning:** Linear Regression, Ridge & Lasso Regression, Logistic Regression, k Nearest Neighbor's, Support Vector Machine, Decision Tree, Random Forest, Gradient Descent, Ada-Boost, Gradient Boosting, XGBoost, Naïve Bayes Classifier, K-means Clustering.
- **Text Processing:** NLTK, TF-IDF, Word2Vec, Bag of Words. nltk, spacy, gensim, textblob, langdetect, googletrans, doc2vec, sent2vec, keyphrase extraction
- **Maths & Stats:** Filter, Wrapper, Embedded Methods, ANNOVA test, Chi-Square Test, Info-Gain Test, Hypothesis Testing. Probability, statistics, linear algebra, Gradient Descent
- **Deep Learning:** Neural Networks, ANN, CNN, Tensorflow, Keras

Tools & Technologies:

- **Languages:** Python, SQL, MongoDB
- **Database:** SQL, MongoDB, 3C (Command, Constraints, Clauses), CRUD operations, Subqueries, Window functions, Joins
- **Cloud Platforms/Services:** AWS (EC2, Sagemaker, Notebook instance, AWS container, S3, Multi-cloud environment, Deployment), JIRA, GITHUB
- **Backend Framework:** Flask, Postman
- **Operating Systems:** Windows
- **Project Management tool:** JIRA

Work Experience

Data Scientist

Saama Technologies

Nov 2020 – Present

Responsibilities

- Collaborate with cross-functional teams to understand data needs and objective of business problem.
- Develop and implement machine learning models tailored to specific requirements.
- Write efficient, scalable code adhering to project guidelines.
- Developing AI-enabled algorithms to facilitate business digitization and task automation

PROJECT DETAILS

Project 1 :Crop Acreage and Harvest estimation for Crop Insurance Company.

Domain : Finance

Description:

Insurance companies require seasonal reports on crop acreage, sown area, and harvest updates to calculate accurate crop insurance premiums and expedite claims processing. My project directly addressed this challenge by developing a data-driven approach. This approach utilizes machine learning to automate the generation of seasonal reports for crop acreage and harvest estimation.

Role & Responsibilities:

- Conducted thorough analysis of client requirements.
- Collaborated with a partner specializing in GIS.
- Prepared and cleaned the data for machine learning model training.
- Applied machine learning algorithms to analysed pre-processed satellite data.

Project2: Chatbot Development using Dialogflow

Domain : Hospitality Domain

Description:

In an effort to improve customer experience and operational efficiency for our client, which is a popular cafe-style restaurant, I co-developed a user-friendly chatbot. This chatbot integrates seamlessly with the existing workflow, allowing customers to browse menus, place orders directly through the chat interface, and request assistance from staff if needed. By eliminating the need for constant waiter interaction, the chatbot addresses potential language barriers and streamlines the ordering process. This solution aims to reduce operational costs, improve accessibility for customers, and ultimately enhance their overall dining experience at our client's establishment.

Role & Responsibilities:

- Collected and preprocessed customer data.
- Identify Trained intent recognition and entity extraction models.
- Writing Monitored chatbot performance metrics like user satisfaction, engagement and completion rates.
- Collaborated effectively with team members, contributing to the successful completion of projects.

Education

Batchlor of Engineering from BDCOE Sewagram,Maharashtra

Personal Details

- **Residence** : Chennai 600078
- **DOB** : 21/8/1994
- **Languages** : English, Hindi, Marathi
- **Hobbies** : Mech/Electrical Systems Exploration, Riding a bike
- **Marital Status** : Unmarried