

ANJUMBEGUM SHAIKH

MACHINE LEARNING ENGINEER

CONTACT

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📍 M-40 Konark Pooram Housing Society Kondwa, Pune-411048, Maharashtra

SKILLS

- **Deep Learning:** Neural Networks, ANN, CNN, RNN, Transfer Learning, Back Propagation, Tensorflow 2.x, Keras
- **AWS:** EC2, Notebook instance, AWS container, Multi-cloud environment, Deployment
- **NLP:** Understanding, representation, classification & clustering of Text
- **Libraries:** nltk, spacy, gensim, textblob, Lang detect, googletrans, Data Visualization, Data Preprocessing, Data Scalling
- **Techstat:** BOW, TFIDF, word2vec, doc2vec, sent2vec, keyphrase extraction
- **Databases:** Command, Constrains, Clauses, CRUD operations, Subqueries, Window functions, Joins
- **Source code management and Version Control system :** Git and GitHub.
- **Web Framework :** Flask
- **Machine Learning:** All Machine Learning Algorithms, Clustering Algorithms

PROFESSIONAL SYNOPSIS -

Total IT experience is 4.5 years . A Machine Learning Engineer professional with 3 Years of experience in executing data driven proposals & analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problem.

- Sound Knowledge in AI and Machine Learning & DSA (Data Structures & Algorithms).
- Proficient in Core Python and its libraries and Modeling - regression, classification, linear etc.
- Proficient in building highly scalable and optimized engines for Data Analytics.
- Strong exposure in RDBMS (MySQL, and Servers)

Data Science, Python & ML

- Data mining algorithm experience in the families of predictive algorithms (Regression, KNN, Decision Trees) and clustering algorithms (k-means clustering).
- Ability to process Text Processing using NLTK library and other Natural Language
- Thorough understanding of Probability and Statistics, Bayesian methods, Time Series analysis.
- Strong Python Programming skills using OOPS, Functions, Modularization & decorators.
- Sound Knowledge of Python's Data Analysis and Machine Learning Libraries.
- Experience in Web Framework Flask.
- Source code management and Version Control system using Git and GitHub.

WORK EXPERIENCE -

Sathyamedha Business Solutions PVT LTD , Hyderabad
Software Developer | 2018 - 2019

Global Advertisement PVT LTD , Kharadi Pune
Associate Developer (Machine Learning scientist) | 2020 - 2022

DBXENTO PVT LTD,PUNE
Machine Learning Engineer | 2022 - present

PROJECTS -

1) Disease Prediction Domain | Hospital

PROBLEM STATEMENT:

The major challenge in heart disease is its detection. There are instruments available which can predict heart disease but either they are expensive or are not efficient to calculate chance of heart disease in human. Early detection of cardiac diseases can decrease the mortality rate and overall complications.

However, it is not possible to monitor patients every day in all cases accurately and consultation of a patient for 24 hours by a doctor is not available since it requires more sapience, time and expertise.

SOLUTION :

Since we have a good amount of data in today's world, we can use various machine learning algorithms to analyze the data for hidden patterns. The hidden patterns can be used for health diagnosis in medicinal data.

ROLE AND RESPONSIBILTIES :

- Understand, analyze, and interpret large datasets
 - Develop advanced programs to extract the data needed, prepare data for further analysis
 - Perform analysis to assess the quality of the data, determine the meaning of the data, and provide data facts and insights.
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2) Ademero Document management System Domain | PHARMA

PROBLEM STATEMENT:

As today's digital storages can serve large amounts of items, it becomes difficult to categorize them

SOLUTION :

Document Classification to help the organization to meet legal and regulatory requirements for retrieving specific information in a set timeframe.

ROLE AND RESPONSIBILTIES :

- Work on Machine Learning/Deep Learning
 - Write quality code while following best practices
 - Communicate with different customers/Project Lead Managers to understand needs in different verticals and think of critical solutions in these domains
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3) Customer Reviews of Food - NLP Domain | Restaurants

PROBLEM STATEMENT:

Our customer has retail chain all over world. In this day customer didn't get well response on our product. Why sale of product get decrease and decreasing sale impact on company revenue.

SOLUTION :

We will find out customer are satisfied or not with company product, services and treatment. If not then what reasons behind it.

ROLE AND RESPONSIBILTIES :

- Write quality code while following best practices
 - Communicate with different customers/Project Lead Managers to understand needs in different verticals and think of critical solutions in these domains
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PROJECTS -

4) Multiclass Image Classification - CNN

PROBLEM STATEMENT:

Now a days while login into different websites we need captcha for authentication. In the current ongoing scenario image captchas are taking place of text captchas. The purpose is to identify similar categorical objects to get authorization or make login to particular website.

SOLUTION :

Using convolutional neural network for the multiclass image classification and selecting few categories for the working of model.

ROLE AND RESPONSIBILITIES :

- Understand, analyze, and interpret large datasets
- Write quality code while following best practices
- Communicate with different customers/Project Lead Managers to understand needs in different verticals and think of critical solutions in these domains

EDUCATIONAL DETAILS -

- B.E | CSE | 2017 | Swami Ramananf Teeth University, Nanded | 71.13%
- DIPLOMA | Computer science | 2014 | MSBTE, Pune
- HSC | 2012 | Maharashtra State Board Of Technical Education, Pune | 41%
- SSC | 2010 | Maharashtra State Board Of Technical Education, Pune | 80%

PERSONAL DETAILS -

DOB: 23/10/1995

Address: M-40 Konark Pooram Housing Society Kondwa, Pune-411048, Maharashtra

Languages: English, Hindi, Marathi

Hobbies: Reading, Net Suffering, Cooking

Achievements: Best Employee Of The Month

I do here by declare that all above information is true and complete best of my knowledge and belief.

Date:

Place: Pune

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