MAYUR V KOLKI

Data Scientist

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B.E E&TC   [SAVITRIBAI PHULE PUNE UNIVERSITY]

Education from : **NBN Sinhgad School of Engineering &   Imarticus Learning**

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C A R E E R   O B J E C T I V E :-

Seeking a responsible and challenging position in the organization where my knowledge and experience can be shared and enriched.

Data scientist with a passion to solve real-world business challenges using data analytics .
Proficient in complex machine learning and statistical modeling algorithms/techniques   for identifying patterns and extracting valuable insights for key stakeholders and organizational leadership.

Aspiring Data Scientist and Software Developer, Proficient in Data Science with focus on Feature Engineering, Data Preprocessing ,Data wrangling and Python programming language.

 Believer in Team Work as well as contributing others to grow individually .

PROJECT WORKED ON:-

Worked on various projects related to regression , classification , clustering , forecast.

i) Car Price prediction
>   Project Description: To predict the selling price of used vehicles ….
> - The dataset had lots of anomalies like missing data and outliers.
> - Used statistical measures and tailor-made formula to fix these bad values ..
> - Used Linear Regression, Lasso and Ridge regression techniques to build the model
> - The final model gave an error of MSE: 3.75 , RMSE: 1.93
> - Made the pickle file ,app.py file which include the path (code)
> - Then deployed the model using flask framework on local host, & front end used html templates

ii) Bank Churn
>   Project Description : To do binay classification of the customer
> - EDA, Feature Engineering
> - Cleaned the dataset , as it had lots of garb information like id, name , address etc
> - Converted 'categorical' to dummy variables
> - built logistic regression model on train data
> - predicted on test data , built confusion matrix, classification report

iii) Case study on Corona
>   Project Description : study the novel corona virus analysis
   " https://www.worldometers.info/coronavirus/country/india/ " this website helped to get the revisied data ,
From which we where able to draw graphs , plot the areas wise spread and recovery death rate , Pretty good insight /patterns where brought .
 Monthly , weekly , data with respect to region wise graph where plot.
  We did the analysis based on the rate of change weekly.

iv) Stock forecast

Project Description : study the "mrf" stock predictions
- made the data sequential
- checked EDA
- checked the data stationary or not, it was not so took lag and made the data stationary.
- plot the PACF, ACF
- built ARIMA model
- forecasted for next 12 Months

v) Recommder systems

Project Description : study the book recomder , movie recomder
We have built 2 types of recommder system i)KNN ii)multicollinearity based

vi)Image classification

Project Description : Multiclassification of Images using CNN Deep learning
- obtained the input image
- Convolution which gives feature Maps
- Pooling
- Flatten
- Fully connected layer (neural network model) Dense layer
- compile
- image augmentation
- fit the model
- predict the test image

- Taxi Fare prediction   •LSTM_stock prediction
- House price prediction , • Heart Disease prediction ,
and many more projects on supervised, unsupervised , deep learning haven worked on

TECHNICAL SKILLS:

- Stats
- Python
- SQL
- R studio
- Excel
- Power BI
- Operating System Windows
- Machine Learning
- Supervised and unsupervised
- EDA
- Feature Engineering
- Visualisation
- Data insight/Patterns
    - Pandas
    - Numpy
    - Matplotlib
    -
- Deep Learning
    - Keras
- ANN
- CNN
    - Image Classification
    - Object Detection
    - Segmentation
    - Tracking
    - GAN (pursuing)
- NLP

• RNN
  -LSTM RNN
  - Bidirectional LSTM RNN (pursuing)
  -Encoder Decoder (pursuing)

  - Transformers   (pursuing)
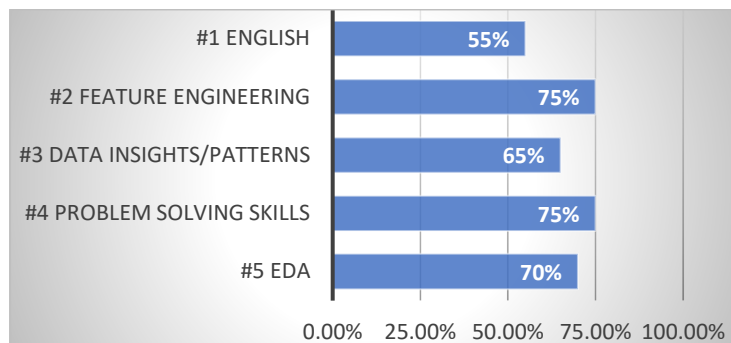 - BERT   (pursuing)
  - GPT1,GPT2,GPT3   (pursuing)

PURSUING :-

• Hadoop
• Apache Spark
• Computer Vision
• MongoDB
•NLP
• Cloud computing
• AWS, Microsoft Azure , Google Cloud Platform , Heroku
• flask , django, docker, FastAPI
• Tableau
• Reinforcement

EXTRA- CURRICULAR ACTIVITY:-

• Head Volunteer of 'National Service Scheme' (NSS) from 2017-2019 & actively member in social programs held by NSS.
• Active member of organizing committee of 'Sinhgad Karandak 2017' which is institute level cultural & technical event.
• Have a good experience in tackling the people for the business purpose .

SKILLS :-

Skill	Percentage
#1 ENGLISH	55%
#2 FEATURE ENGINEERING	75%
#3 DATA INSIGHTS/PATTERNS	65%
#4 PROBLEM SOLVING SKILLS	75%
#5 EDA	70%

QUALIFICATION :-

Sr. No.	Degree	School/College	Board / University	Grade
1	B. E. (E & TC Engg.)	NBN Sinhgad School of Engineering	Savitribai Phule Pune University	First Class
2	H.S.C.	Tuljaram Chaturchand College, Baramati, Pune	Maharashtra State Board	First Class
3	S.S.C.	Vidya Pratishthan's New English Medium School, Baramati, Pune	Maharashtra State Board	First Class with Distinction

PERSONAL INTERESTS:-

- Exercise
- Cooking
- Exploring New Things

D E C L A R A T I O N -

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.