Mayur Kolki

Data Scientist

Seeking a responsible and challenging position in the organization where my knowledge and experience can be shared and enriched. Data scientist with 2.5+ years of experience in solving real-world business challenges using data analytics, analyzing large data sets and coming up with data-driven insights for early-stage technology companies.

Contact

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Education

B.E. in Electronics and Telecommunication Engineering
NBN Sinhgad School of Engineering, Pune
07/2014 - 06/2019

PGP in Data Science
Imarticus Learning ,Pune
08/2020 - 10/2021

Expertise

- Python
- SQL
- Django
- R
- Metabase
- Looker
- Tableau
- Machine Learning
- Data science
- Basic HTML
- Excel
- Problem Solving
- Data optimization
  Knowledge and skills

Experience

July 2021 - Present
Open Financial Technologies , Bengaluru, India
Data Analyst

- Came up with Automated data extraction web scraping technique using Python.
- Derived at informative insights for the strategic team.
- Built a web scraper which includes emails, company names .
- Web scrapped Image and converted to text for ease of analysis for different teams .
- Data extraction , creation , cleaning , engineering , EDA of cards classification model .
- Built a Time series forecasting model for the product expectation.
- Extracting Data from DB with help of sql.
- Automating the process where a huge amount of time or man power is getting wasted.
- Working on models related to cards , Time Series and more.
- Data cleaning and Engineering.
- Creating interactive dashboards using Looker and Metabase BI tools.
- Providing recommendations for improving product flow and features.
- Create daily, weekly and monthly Analytics reports of product KPIs.
- Identify ways to improve existing reports and processes.

Projects worked in current company

1. WEBSCRAP EMAIL, COMPANY-NAME DJANGO APPLICATION.
- Built a python script for scraping data from open source and collected and cleaned it with the accuracy of 90%.
- Going further we built a Django application for the python script.

2. IP ADDRESS RISK ALERTS DJANGO APPLICATION
- Cyber Crime reported fraudulent merchant IP address where redzone as well as relevant IP address where found onboarded again if onboarded where alerted as suspicious.

3. CREDIT CARD ELIGIBILITY CLASSIFICATION MODEL APPLICATION.
- Feature Engineering based on Rule logic as per lending operations parameter.
- Model built with 70% accuracy
- Django framework used to create application

4. CREDIT CARD ENHANCEMENT REGRESSION MODEL APPLICATION.

5. MERCHANT SHOPPING BUCKETING

6. FORECASTING COMPANY ONBOARDING TIME SERIES MODEL.

7. PENNY DROP ALERTS FOR FRAUD SUSPICIOUS .

8. AUTOMATION OF USER SUBSCRIPTION REPAYMENT MODULE

August 2019 - May 2021
Genius Technical Services , Baramati [Pune], India
Analyst

- Successfully build local database setup use case for Genius company.
- Invoices and payroll handle, company finance management daily reporting
- Analyzing the work done on the product.
- Reporting to the stakeholders about the Tender details, cross cutting.
- Basic level of reconciliation of the CR, DR , invoices , payrolls , bank statement transaction
- Finding out Insights related to money splits and R&D for investment.

INTERNSHIPS

- **Intern at The Sparks Foundation as Data Scientist .**
- **R.V. Industries from jan 2020 to feb 2020.**
- **Horizon Electronics In 2019 for 3 weeks.**

LANGUAGES

- **English**
- **Hindi**
- **Marathi**
- **Kannada**

PERSONAL INTERESTS

Exercise , Cooking , Exploring New Technology.

CERTIFICATES

- Post Graduate Program in Data Analytics (07/2020 - 10/2021)
https://github.com/MayurKolki/Data_Analytics_Certificate/blob/main/mayur_kolki.pdf
- Tableau_certificate
https://github.com/MayurKolki/tableau_certificate/blob/main/tableau_certificate.pdf
- Google Analytics
https://github.com/MayurKolki/google_analytics/blob/main/Course_Certificate.pdf

ACADEMIC PROJECTS

Car Price Prediction: Aim of the problem was to predict the price of the car. PerformedFeature engineering, exploratory data analysis, handling of categorical data, Hyperparameter tuning. Compared the results given by various Regression models. Random Forest Regression gave the best results. Used the Flask framework for web application and deployed on local host.

Bank Churn: Aim was to do binary 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.

Stock forecast: study of "mrf" stock predictions • made the data sequential • checked EDA • checked the data stationary or not, it did not take lag and made the data stationary. • plot the PACF, ACF • built ARIMA model • forecasted for next 12 Months.

Mask Detection: Built Deep Learning model for Classification of mask or no mask using, Used Deep learning model and CV2 library (computer vision) for detection of live images, video. Used the Flask framework for web application and deployed on local host.

Image classification: Multi Classification 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.

FUNCTIONAL RESPONSIBILITIES

~ **Involved in Data Pre-Processing Technique for identifying patterns and extracting valuable insights for key stakeholders and Business Development teams, making the data useful for creating Machine Learning models.**
~ **Focused on Feature Engineering, Data Preprocessing ,Data wrangling and Python programming language.**

All the details which have given above information are true to the best of my knowledge.