Rajesh Hugar

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SUMMARY

Passionate machine learning professional and data-driven analyst with the ability to apply ML techniques and leverage algorithms to solve real-world business problems. Established ability in deploying effective predictive models across different industries to accurately forecast consumer behaviour and deliver proven results.

PROFESSIONAL EXPERIENCE

Machine Learning Engineer Jun '20 - Present

Capsilon Softwares.Pvt.Ltd | PUNE,IN

- Utilized advanced querying, visualization and analytics tools to analyze and process complex data sets.
- Compiled, cleaned and manipulated data for proper handling.
- Tested and validated models for accuracy of predictions in outcomes of interest.
- Created charts in Jupyter Notebook to perform analysis & visualize data using Matplotlib,Seaborn
- Modeled predictions with optimum number of features using feature selection techniques.
- Extracted and assessed data from databases to drive improvement of product development and business strategies and processes.
- Developed intricate algorithms based on deep-dive statistical analysis and predictive data modeling.

PROJECTS

Project 1: Cross Sell Prediction

- Problem Statement: The Client want to increase the penetration of services within its Customer Base through a data driven approach
- Developed a model to predict the leads which was used by the sales to the sales team to start pitching the target customers .
- Through this process, the conversion rate is drastically increased by 60% and also the Credit Card Penetration increased by 13.5% to 18 % following the focused approach as compared to the previous approaches which would results in missed opportunities and diminished customer-satisfaction

Project 2: Auto Insurance Claims Management System

- Problem Statement: The Company requires a method for Assessment of the claims and wanted to mitigate the risk involved & expediate the process of the claims Settlement.
- Used Statistical modelling to analyse the claims based on the previous claims handled data and use it in Real time Analysis of the upcoming claims and verified it against the existing claims
- This Process resulted in faster claims settlement (process optimization) and reducing the Operational Claims Expenditure

Project 3: Product Review Analysis

- Problem Statement: Client wanted to enhance their product experience by using the reviews from the customers.
- Used Natural Language Processing for Sentimental Analysis of the reviews using Machine Learning Algorithms and further used the Key phrases for finding the Pain points.
- These Pain points which were then shared to the respective Product Team to enhance the user Experience by finding the solution ,the model helped in increasing the user experience which in turn

boosted the product sales by 4.5% QOQ

TECHNICAL SKILLS

Tools: Python, MYSQL, MongoDB,PostMan,Flask,Git,Jupyter Notebook,AWS,

Packages: Scikit-Learn, NumPy, SciPy, Pandas, NLTK, BeautifulSoup, Matplotlib, Statsmodels, Jupyter Notebook,Spacy,Seaborn,Keras,requests,

Statistics/Machine Learning: Statistical Analysis,Linear/Logistic Regression, Clustering, Regularisations, SVM, Decision Tree,Random Forest,Ensemble Trees , Clustering, Gradient Boosting,XG Boost,AdaBoost,,KNN,K-Means,DBSCAN,PCA,Cross Validation,Feature Selection & Scaling,Time Series Analysis,ANN,CNN

KEY SKILLS

Data Visualization, Exploratory Data Analysis(EDA),Predictive Modelling ,Sentiment Analysis, Statistical Modelling, Clustering ,Segmentation,Classification, Data Analytics , Data Mining ,Quantitative Analysis ,Web Scraping ,Machine Learning Algorithms, Predictive Analysis, Data Analytics, Hypothesis Testing, Model Development ,Natural Language Processing,Recommendation System

CERTIFICATIONS

IBM Data Science Professional, Coursera

Data Science fundamentals , Coursera

Getting Started with AWS Machine Learning, Coursera

Data Science Fundamentals with Python and SQL Specializations,Coursera

Getting Started with AWS Machine Learning,Coursera

EDUCATION

Bachelor of Engineering Jun '12 - Jul '16

AISSMS, COLLEGE OF ENGINEERING | PUNE,IN

Top 15 % of the class

65 % (FIRST CLASS)