

VINOD KUMAR

Data Analyst  3.5 Yrs

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WORK EXPERIENCE

Data Analyst


Kaplan India

 Jun 2021 – Ongoing  Bangalore, India

- Data manipulation using Python, Excel for item analysis to quantify the students' performance.
- Performing Learning Analysis using statistical analysis & A/B testing to know the effect of courses on students.
- Making visualization reports using PowerBI and presenting them to senior stakeholders.

Application Analyst

MH Alshaya Pvt Ltd.

 Aug 2018 – May 2021  Bangalore, India

- Categorisation of issues raised in various applications using ML techniques like Clustering.
- Interpreting business sales data, identifying and analyzing trends or patterns in complex data sets.
- Adept in writing fine tuned SQL queries to collate the data.
- Synthesizing data from various application sources to meet retail operations needs using Oracle SQL.

PROJECTS

TMDB Box Office Prediction

 Project link

- Predicting the box office collection of a movie given its features.
- BeautifulSoup to scrape the ratings of movies of input dataset to tune the model accuracy.
- NLP techniques like TfIdf to convert few text features to vectors. Techniques like Gradient Boosting, LightGBM have been used for predictions.

 Tools/Technology : Gradient Boosting, LightGBM, eli5 & SHAP

Stocks Alert Screener for Day Trading

 Project link


- System that runs periodically and sends alerts to telegram app based on criteria to filter companies for day trading.
- Used BeautifulSoup to collect server response from website which inturn used to reap the actual data.
- Extracting the prices of stocks from collected response and converting the data to image to send as an alert to telegram channel.
- Used Scheduler that runs periodically from a given time.

 Tools/Technology : Python, BeautifulSoup, Scheduler, Telegram bot

EDUCATION

Engineering in Electronics & Communications

 National Institute of Technology, Patna

 Jun 2014 – May 2018

SKILL SET

• Machine Learning

Classification Techniques :

KNN, Logistic Regression, SVM, Decision Trees, Naive Bayes, Clustering (K-means)

Regression Techniques :

Linear Regression

• Solver : Stochastic Gradient Descent

• Ensemble Methods :

Bagging, Boosting, Stacking

• Natural Language Processing :

BoW, TfIdf, Word2Vec, Stemming, Lemmatisation

• Programming Language : Python

• DB Language : Oracle SQL

• Tools : Power BI

• Techniques : Web Scraping

MOST PROUD OF



Be Alshaya Award

Received Alshaya values award in six months of on-boarding the company for going extra mile and automating two business processes.



Achieved all India rank of 7053

Secured all India rank of 7053 in JEE Mains and got into NIT.

PUBLICATIONS

Journal Articles

- I. Vinod Kumar, A.K.Bhandari (2019a). "Cuttle Fish Algorithm based Multilevel 3D Otsu Function for Color Image Segmentation". In: *IEEE Transaction on Instrumentation and Measurement* (IF 3.067), pp. 27–35.
- I.Vinod Kumar, Bhandari (2019b). "Energy thresholding based 3D Otsu Function for image segmentation using Human Learning Optimization." In: *Applied Soft Computing, Elsevier* (IF 4.873), pp. 327–344.

STRENGTHS

Eye for detail

Self-Motivated

Reverse Engineering

Aptness