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Vikas Singh Khuswaha

Data Scientist | Economist

SUMMARY

Data scientist with experience in several project works and hackathons and who takes pride in building models that translate data points into business insights. Now eager to apply the same knowledge to real-world business problems. I am a quick learner with the ability to grasp new responsibilities very quickly. This makes me more productive at my work but it also enhances my ability to ideate and show creativity as and when required.

EXPERIENCE

Data Science Intern.
RedCarpetUp.com, Delhi
Aug - Oct, 2020

- Performed extraction of structured and unstructured data sets.
- Applied Statistical analysis, Exploratory data analysis, Feature engineering to process the data sets.
- Performed End to End Machine learning. Worked with credit underwriting models, improving model performance and stability were the main challenges.

EDUCATION

Master of Science in Economics
Lovely Professional University, Phagwara
2017-2019

- CGPA: 7.2/10
- Capstone Project on Cause and Effect Relationship Between Physical Infrastructure and Economic Growth of India.
- I have presented a paper entitled 'A Study on Trends and Pattern of Agriculture Growth of Punjab,' Punjab School of Economic, U.G.C National Seminar (Under SAP), Guru Nanak Dev University, Amritsar.
- Internship in Human Resources (HR), Shree Balaji Management Consultants (Chandigarh), June - July 2018.

Bachelor of Commerce
Dr. Ambedkar College, Nagpur
2014-2017

- Participate in the NCC parade on Golden Jubilee Year Celebrations, Dr. Ambedkar College, Nagpur.
- CGPA 5.0/10

10+2 (CBSE)
Kendriya Vidyalaya Vayusena Nagar, Nagpur
2012-2014

- CGPA: 8.9/10

PROJECTS

Toxic comment detector web application
URL: https://bit.ly/2XivFR4
The aim of the project is to develop a web application that detects abusive comments. The project used the Flask-API framework and Heroku cloud platform to deploy. Users are able to send a text to the model, via an API, and get back predictions on the web-server. I have used the DistilBERT model to build a classifier on Pytorch deep learning library.

Traffic Congestion Prediction
URL: https://bit.ly/3k9R20Y
The aim of the project is to develop a model to predict traffic congestion based on an aggregate measure of stopping distance and waiting times, at intersections in 4 major US cities: Atlanta, Boston, Chicago & Philadelphia. Did exploratory data analysis to analyze data sets to summarize their main characteristics, often with visual methods and extensive feature engineering and used LightGBM for modeling.

ASHRAE - Great Energy Predictor III
URL: https://bit.ly/2RlYN8a
Developed an accurate model of metered building energy usage in the following areas: chilled water, electric, hot water, and steam meters. With better estimates of these energy-saving investments, large scale investors and financial institutions will be more inclined to invest in this area to enable progress in building efficiencies.

HACKATHONS & COMPETITIONS

- JanataHack: NLP Hackathon, Analytics Vidhya - Top 5% Rank
- BigQuery-Geotab Intersection Congestion, Kaggle - Top 47% Rank
- Categorical Feature Encoding Challenge, Kaggle - Top 35% Rank.

SKILLS

- Python
- Machine Learning
- Deep Learning
- Flask
- MS-Office
- GitHub
- Natural Language Processing (NLP)
- Statistical Modeling
- Heroku

INTERESTS

- Video Games
- TV Shows
- Technology
- Gyming

LANGUAGES

- English
- Hindi

ONLINE VISIBILITY

GitHub: github.com/VikasSingh-DS
Kaggle: kaggle.com/vikassingh1996
LinkedIn: linkedin.com/in/vikas-singh-khuswaha-720617159/