KULVINDER SINGH

Data Scientist

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⌂ Kulvinder26

EXPERIENCE

Data Analyst
Moglix Pvt. Ltd.

📅 July 2019 – Till Date

- Designed solution for interactively reporting data related to different KPIs online, creating ease for business for taking decisions based on data rapidly.
- Developed a platform where business can access daily updated frequently used reports, helping them to stay current with all the trends at different levels.

PROJECTS

Kaggle's House Prices: Advanced Regression Techniques
sklearn, python, xgboost, lighgbm, random forest,keras

📅 July 2019 – Present

- Regression problem: For predicting house prices given features about the house
- Solution got into Top 5% of global leader board

CARWIN - An Intelligent Car Parking Solution with Image Analysis (Academic Project)
python, opencv, deep learning, skimage

📅 August 2018 – December 2018

- Automated overall parking process by saving car's number (using deep learning based number plate recoginition api) with respective parking place user selects
- To monitor all parking places in realtime.
- With additional feature of finding user's car parking number by searching database with user's car number, in case user forgets parking space number

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Twitter Sentiment Analysis
apache flume, apache hive, apache hadoop, apache spark, python,nltk

📅 September 2018 – October 2018

- Used Apache Flume to stream data from twitter in real time
- Preprocess collected data using NLP techniques for doing analysis
- Using Hadoop and Spark to apply machine learning algorithms for sentiment analysis

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Diabetes Melitus prediction with Pima Indians Dataset
python, ensemble, xgboost, random forest, feature engineering

📅 December 2018 – June 2019

- Used Genetic algorithm and Recursive Feature Elimination
- Ensemble model performed with >78% accuracy on 10-fold Cross Validation

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EDUCATION

B.Tech in Computer Science Engineering
Lovely Professional University

📅 July 2015 – July2019   CGPA : 7.48
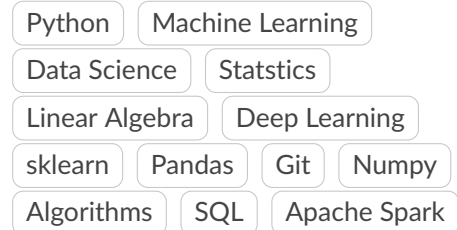
Senior Secondary Certification
Springdale College

📅 June 2014   Per : 79.60%

Secondary Certification
Springdale College

📅 June 2012   CGPA: 8.4

SKILLS

`Python` `Machine Learning` `Data Science` `Statstics` `Linear Algebra` `Deep Learning` `sklearn` `Pandas` `Git` `Numpy` `Algorithms` `SQL` `Apache Spark`

ACHIEVEMENTS

- Among top 5 % of Advanced Regression with House Prices Kaggle Competition
- My paper titled "Analysis of Various Computer Architectures" published in Vol.-8 Issue-8S2, June 2019 of International Journal of Innovative Technology and Exploring Engineering(TM).
- Chapter on "Identifying Diseases and Diagnosis using Machine Learning" selected for MLHCP-2019, proceedings to be published by Springer.

CERTIFICATION

- Machine Learning by Andrew Ng - Coursera
- Neural Networks and Deep Learning by Andrew Ng - Coursera
- Machine Learning Fundamentals - Datacamp
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization by Andrew Ng- Coursera
- Convolutional Neural Networks by Andrew Ng – Coursera