

# SAHIL VERMA

## CONTACT

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## EDUCATION

BMS Institute of Technology & M ·  
Aug. 2015 to July 2019  
Bachelor of Engineering Computer Science  
6.5

Senior Secondary ( XII ) · Mar. 2014  
77 %

Secondary ( X ) · Mar. 2012  
CGPA 10

## SKILLS

Python, C++, Machine Learning, Data Structures, Algorithms

## PROJECTS

Stock Market Clustering  
July 2018 to Current  
Predictive Analysis project on Indian Stock Market- NIFTY 50. The project mainly aims to cluster the companies which will be in growth and depletion in a coming period of time, by using different clustering algorithm and analysing the best approach using cuckoo search algorithm.  
Language and Libraries: Python ( Jupyter Notebook ), Pandas, Numpy, Matplotlib, Sklearn, Keras  
Algorithms used : K-Means Clustering, Hierarchical Clustering, Gaussian Mixture Model and Cuckoo Search.

Coronary heart disease prediction  
July 2018  
Case Study Project, focusing on prediction of heart attack to a person by having various features and habits. The project uses a data taken from an African village available on openml.com. The project uses 3 different algorithms to predict the same, followed by the comparison to each other.  
Language and Libraries: Python ( Jupyter Notebook ), Pandas, Numpy, Matplotlib, Sklearn and Keras  
Algorithms used to predict the possibility: Support Vector Machine, K Nearest Neighbours, Multilayer Perceptron

Sentiment Analysis  
July 2017  
Project includes various mathematical model and implementation of it, to predict the emotional state of a person.  
It provides the scalar value of person's emotion by taking textual input. And by graphical outputs.  
Language and Libraries :Python, Pandas, Numpy, IBM watson, Matplotlib

## EMPLOYMENT

Kaiser Tech Inc.  
Online  
Data Science Intern · Mar. 2018 to Current  
Working with a New York based startup, as an Instructor and Data Scientist. Key responsibilities includes  
- Teaching Python and Machine Learning to students.  
- Handling the Machine Learning projects.  
- Project designing

Upwork  
Online  
Freelancer · Feb. 2017 to Aug. 2018  
Worked on wide variety of projects including Visualisation of Data, Scraping, Scripting, Market Handling and Financial Data.  
- Mainly used Python, C++ and Excel to implement the tasks.

Cyberlinks Technologies  
Gurgaon  
Intern · Jan. 2018 to Feb. 2018  
Learnt and Worked with Cyberlinks team on Data Preprocessing and Data Visualisation. Working with major libraries as Numpy, Pandas and Matplotlib.

## CERTIFICATES

Improving Deep Neural Networks ·  
Coursera, License: 3MHQPWPGZW7R  
Feb. 2018

Neural Networks and Deep Learning ·  
Coursera, License: R26DW5NQNGEX  
Mar. 2018

Machine Learning A-Z · Udemy, License: UC-KUVY8WQG  
Mar. 2018

Python for Data Science ·  
IBM, License: bb8165dc19264ef4bc1b91b40375c99e  
Feb. 2018

Data Analysis with Python ·  
IBM, License : f81b6404347d4938a535fa0008575d1f  
June 2018