

# ASHALA SRIHARSHA

DATA SCIENTIST

MY WEB SITE

<https://harsha9676.github.io/profile/>

## **SKILLS**

- Python, R language, SQL, MS Excel, MS Word, Tableau, easyOCR, OpenCV, Voice assistant libraries, Django, cnn, Html, CSS, openStreetmap, selenium.
- Machine learning Algorithms : Linear/Logistic Regression (Lasso and Ridge), SVM, Ensemble Trees, AdaBoost, Gradient Boost, Random Forests, K Means Clustering, Dendrograms, PCA, XGBoost.
- Sklearn, SciPy, NumPy, RE, NLP, Pandas, bs4, NLP, speech\_recognition, pywhatkit
- Data mining, Data cleaning, Data Analysis, Data Visualization, Data forecasting
- Web Scraping, Documentation skills, Deployment, API's, HTML

## **EDUCATION**

Bharat Institute Of Engineering  
And Technology  
B.Tech - mechanical  
2014 - 2018

Alphores Junior College  
Intermediate - M.P.C  
2012 - 2014

Brooklyn Grammar High School  
SSC 2012

## **CONTACT**

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## **CAREER OBJECTIVE**

Data Scientist with strong math background and using predictive modeling, data processing, and data mining algorithms to solve challenging business problems. Involved in Python open source community and passionate about deep reinforcement learning.

## **SUMMARY**

- Expertise in data analysis using Python, R, Excel and SQL
- Expertise in end to end modeling of data science projects from data preprocessing, analysis, visualization, and classification/regression analysis.
- Good in Handling of Visualization tools like D-tale, SweetViz, Tableau For creation of attractive dashboard to find the insights in the data.
- Enhancement of model performance using feature optimization, Hyperparameter tuning, cross validation models, and pipeline modeling. Experience using unsupervised classification and feature engineering using PCA, K Means Clustering, Dendrograms.
- Forecast of Stock Price Using Time series analysis, medical applications(like : Heart disease, breast cancer...etc)
- Prediction of Sales of a products in Walmart Using Unsupervised Clustering Algorithm
- Experience in relational databases and writing queries for data extraction using SQL

## **EXPERIENCE**

### **QUALITY INSPECTOR**

GESTAMP Automotive Dec 2018 - Jul 2020

- Inspected material prior to production to ensure authenticity and quality.
- Operate automated measuring machine that could include and of the following: CMM (Coordinate Measuring Machine) MicroVU Smart Scope Fine Scan and Faro Arm
- Perform part layouts, gauge calibrations and gauge R&R's utilizing gauge Trak system
- Approve incoming materials based on blueprint drawings by confirming specifications, conducting visual and measurement tests, rejecting and returning unacceptable materials
- Discarded and rejected products, materials and equipment not conforming with specifications
- Maintained high standard of workmanship by using only approved data, materials, tools and test equipment. Routinely checked measuring equipment to resolve testing problems.

## **CERTIFICATES**

- Data Scientist
- TestDome
- Quality Engineer

## **PROJECTS**

### **Data Science Projects**

- Created own voice assistant alexa in laptop
- Heart disease prediction
- Forecast of Stock Price Using Time series analysis.
- Prediction and Optimization of House Price Prediction using Multiple Regression Algorithm.
- .Prediction and Optimization of Heart Disease, Breast Cancer Using Classification Algorithms and done end to end model deployment using flask.
- Face recognition project
- image recognition
- open Street Map

### **Development of Solar Powered Mini Rice mill (B.Tech Major project).**

- The objective of the project is to design and develop the low cost solar powered mini rice mill.

### **Study on Bulb Turbines (B.Tech Mini Project).**

- The objective of the project is to produce power in lower head dams.

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## **ACCOMPLISHMENTS**

- Participated Time series analysis in MACHINE HACK competition and achieved rank 130
- Awarded Prize for the Major Project at Bharat Institute Engineering and Technology in 2018
- Achieved Best Presentation award for Mini Project at Bharat Institute of Engineering and Technology in 2018
- Achieved best volunteer at Bharat Institute of Engineering and Technology in 2017
- Certified in AS9100 and ISO9001 management systems.

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## **ADDITIONAL INFORMATION**

- As a data Scientist job is to take data and use it to help companies make better business decisions and Prediction. I'm good with numbers, collecting data, and market research. I chose this role because it encompasses the skills I'm good at, and I find data and marketing research interesting.