SONALI BHATIA

DATA SCIENTIST / WEB DEVELOPER

CONTACT

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📍 Ridgefield , CT

in https://www.linkedin.com/in/sonali-bhatia/

SKILLS

Languages/Environment
Python, SQL, PySpark, C, C++, Java , Java Script

Packages
Pandas, NumPy, NLTK, BeautifulSoup, TensorFlow

Data Visualization
Seaborn, Plotly, Tableau

Modeling
Statistical Modeling, Regression Models, Classification Models, Time Series Analysis, Neural Networks, Image Classification, Audio/Speech Classification

Statistics
Statistical Distributions, Bayesian Analysis, p-Values, Hypothesis Testing, Bayes Theorem.

EDUCATION

Data Science Certificate

General Assembly

BE - Computer Engineering

Maharashtra Institute of technology - Pune University

PROFILE

I am a Data Scientist / Machine Learning Engineer who enjoys solving challenging problems around data using Machine Learning Models. Being passionate about programming and working with big data, I am motivated to see great results that contribute towards the growth of the organization, along with my personal growth.

PROJECTS

Speech Accent Recognition/Classification

TECHNOLOGIES USED : BeautifulSoup, librosa , Ipython , matplotlib , SVM , CNN , SMOTE

Developed a complete project using Python , librosa and Machine Learning to load audio data , Extract audio features from audio data and use extracted audio features for modeling to recognize and classify speaker accent.

Analysis and predictions for protester violence

TECHNOLOGIES USED : matplotlib, Pandas, Lemmatizer, TfiDF Vectorizer, VADER, Adaboost and RandomForestClassifier, SVM

Worked on a team project to analyze world wide Mass Mobilization data and predict protester violence in protests for future.

Ames Housing Sale Price Predictions

TECHNOLOGIES USED : Linear Regression , Ski-kitLearn, matplotlib, Standard Scaler

Developed a model using Linear Regression to help a group of Real Estate Investors to predict selling price for homes, defining the relationship between the sale price and various features of the property.

EXPERIENCE

WEB DEVELOPER / TEAM LEAD

WELLS FARGO BANK N.A. | Danbury - CT | 07/ 2017 - 08/ 2020

- Achieved regulatory goals by implementing a global IT infrastructure and software inventory system (Business context Technology Applications Portfolio Services) using Alfabet (Product of SAG); Used SSIS to manage data sourcing and delivery.
- Followed Agile development methodology to enhance scalability and stability of application; led periodic upgrades of application framework.
- Mentored 5 team members for developing new features and system capabilities.

TECH LEAD

HARTFORD INSURANCE GROUP | HARTFORD - CT | 02/2016 - 05/2017

- Improved system for portfolio management (planIT) by developing and configuring various features of Alfabet framework.
- Designed reports for Lead Line of Business architects using MS SQL server.
- Designed application information flows to integrate various other applications and feed data into other application areas like Service Now, Accounting, and Compliance.
- Ensured smooth upgrade and batch implementations by creating windows batch processes for scheduled jobs; Led releases and code migrations to production with success.