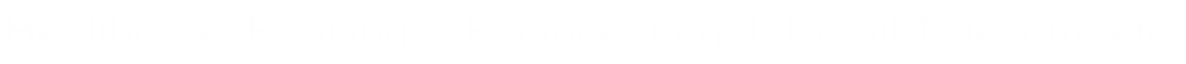
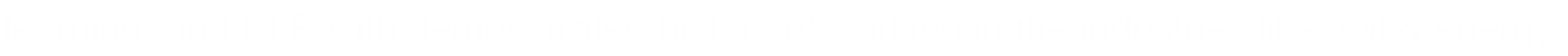
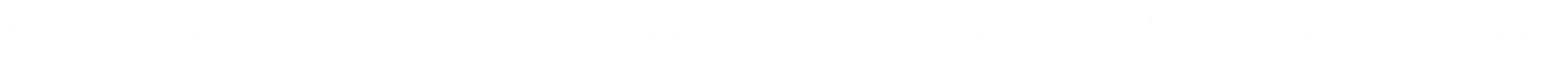
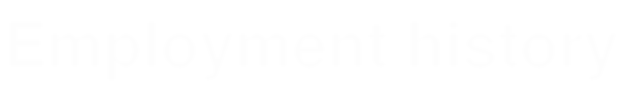
## **Mayur** **Vishwasrao**



**Professional** **Summary**

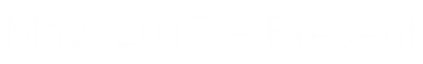
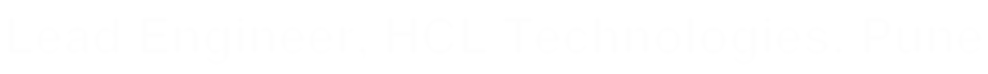
Experienced data scientist having 4+ years of experience in Machine learning, Deep learning, and NLP with demonstrated history of working in the industries like, Oil & energy, Healthcare, Banking & Finance, Legal, Retail, Telecom, etc.



 **Employment** **history**



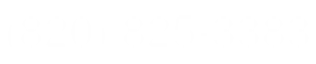
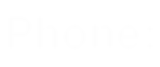
**Lead** **Engineer,** **HCL** **Technologies.** **Pune**



May. 2017 – Present

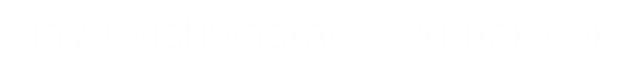
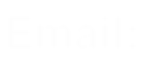
**Personal** **info**

**Phone:**

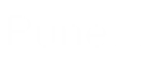
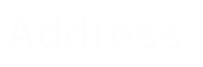


+91-8208253383

**Email:** mayurvishwasrao6@gmail.com



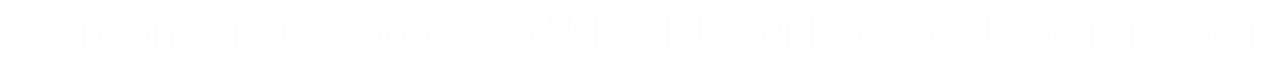
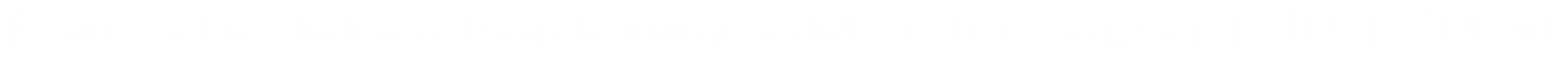
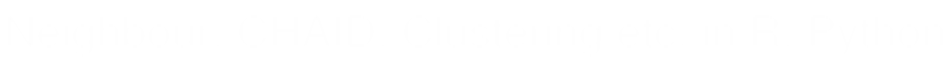
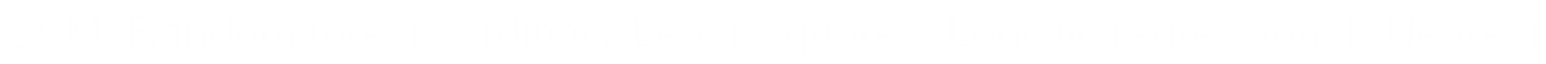
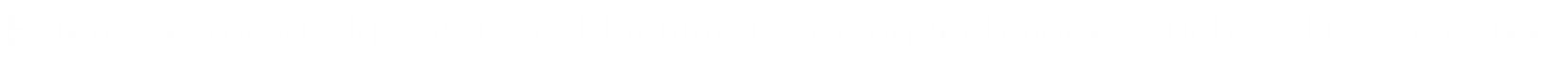
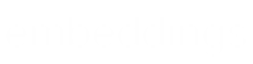
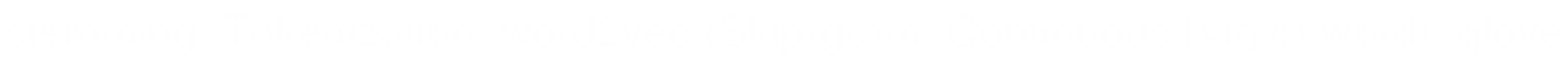
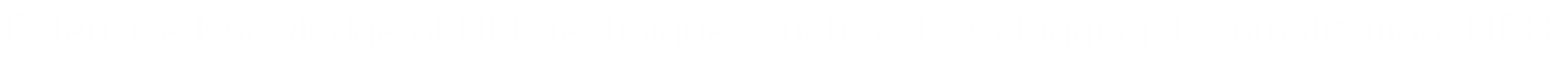
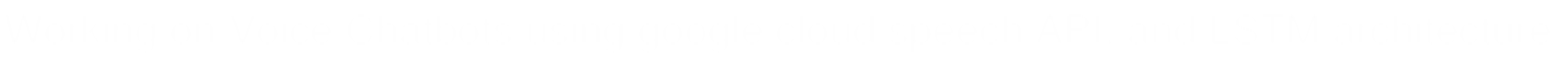
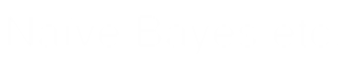
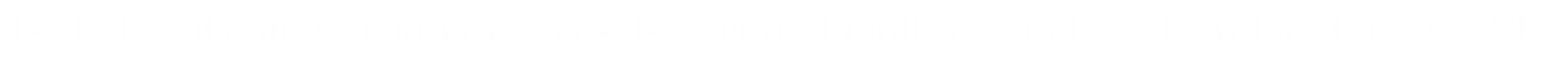
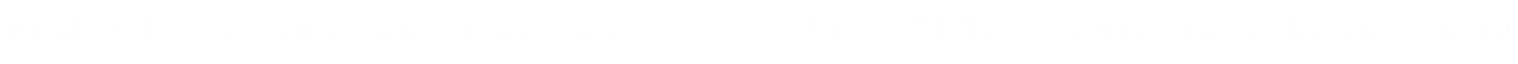
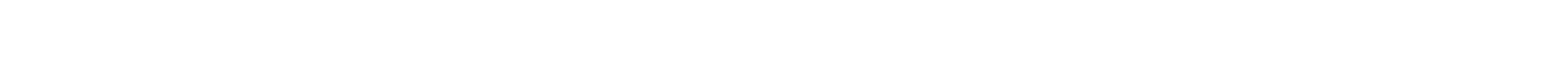
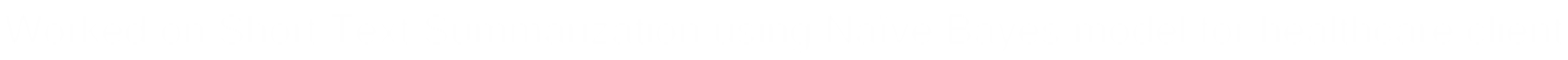
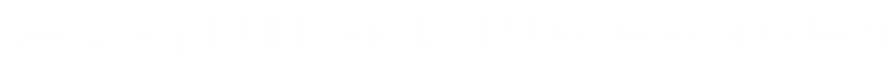
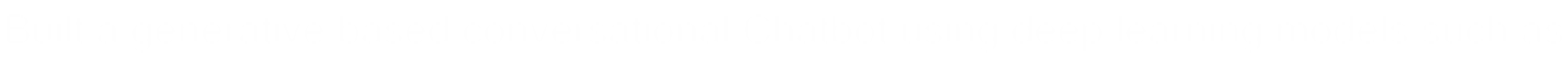
**Address:**



Pune

Built a generative based conversational Chatbot using deep learning models such as Seq2seq, RNN, and LSTM for telecom client

Worked on Short Text Summarization using Naïve Bayes model for healthcare client Developed a HR analytics tools for HCL internal recruitment team using Rshiny



Built a binary classification model using Bi-LSTM model for healthcare client

Text classification using machine-learning algorithms such as Random forest, SVM, Naïve Bayes etc.

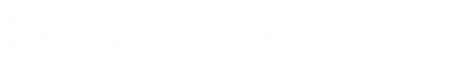
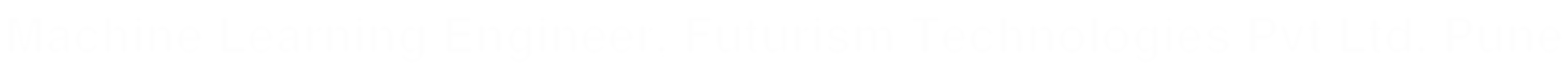
Working on Voice Chatbots using google cloud speech API, and LSTM architecture

Extensive Knowledge of NLP techniques such as POS tagging, Lemmatization, NER, stemming, Tokenization, word2vec (Skip-gram, Continuous bag of word), glove embeddings

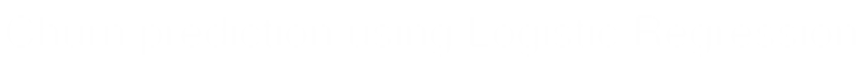
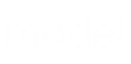
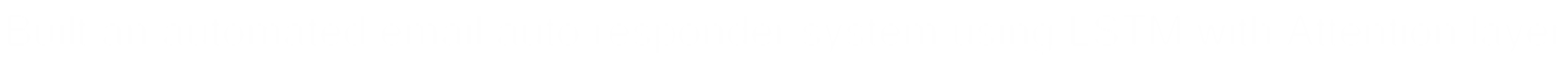
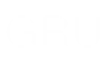
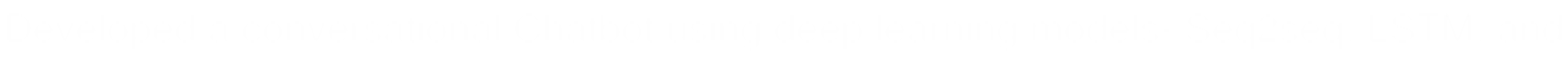
Extensive knowledge of using Machine Learning techniques such as Decision tree, SVM, Random forest, Ordinary Least Squares, Logistic regression, k-Nearest Neighbour, CHAID, Clustering etc. in R, Python

Extensive knowledge of Deep learning models such as seq2seq, LSTM, LSTM with attention, Bi-Directional LSTM, GRU, with tensor flow framework

**Machine** **Learning** **Engineer,** **Futurism** **Technologies** **Pvt** **Ltd.** **Pune** Dec. 2016 – Apr. 2017



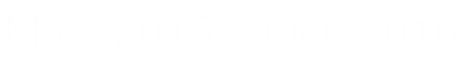
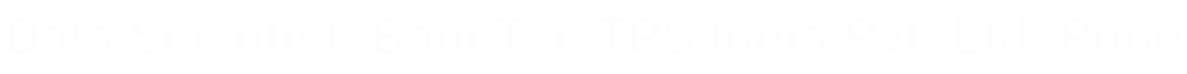
Developed a conversational Chatbot using deep learning models- Seq2seq, LSTM, and GRU



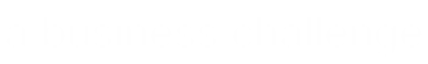
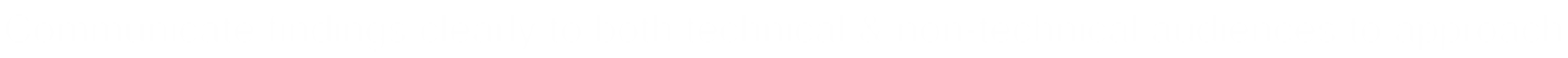
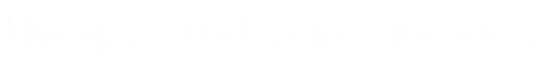
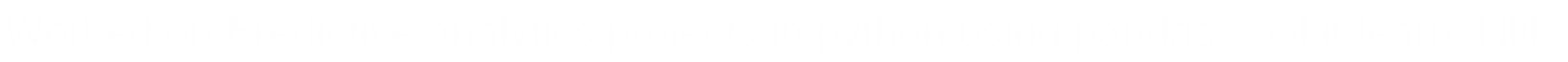
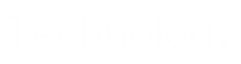
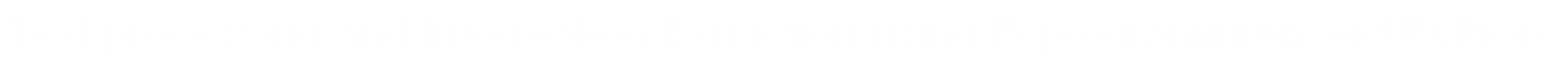
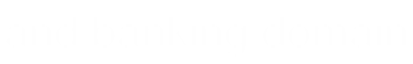
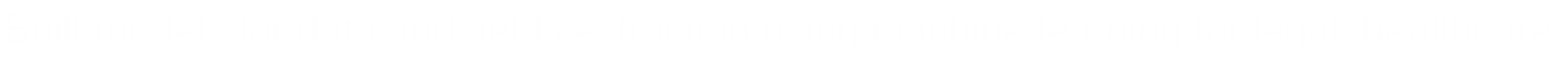
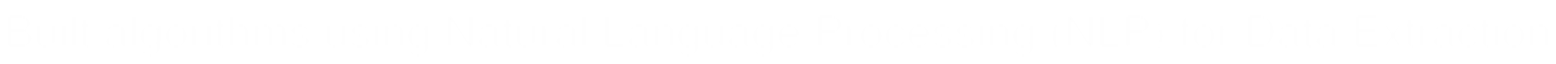
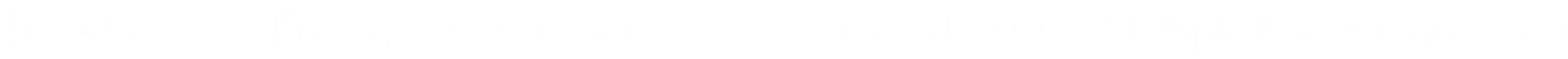
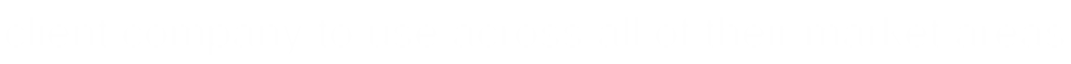
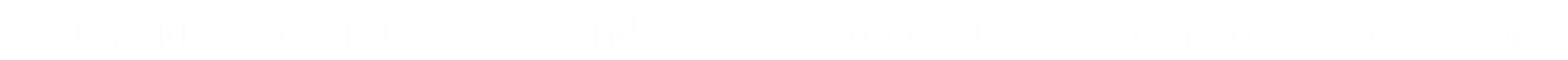
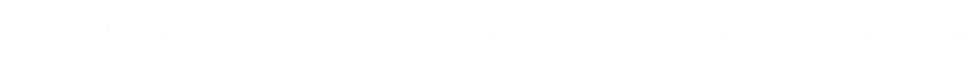
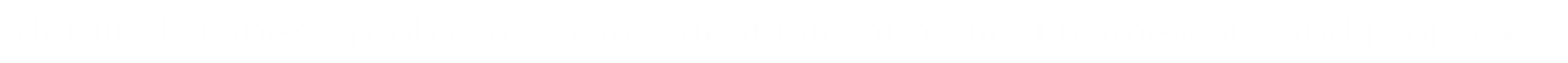
Built an automated email auto responder system using LSTM with Attention layer model

Churn prediction using Logistic Regression

**Data** **Scientist,** **BancTec** **TPS** **India** **Pvt.** **Ltd.** **Pune** May. 2015 – Oct. 2016



Identify business problems, translate it into analytical framework and propose a structured solution in line with business objective



Built a highly accurate, user friendly, energy-forecasting platform for a power-supply client company to use across all of their market areas

Developed an Energy consumption forecasting model using Multiple linear regression in R

Built algorithms using Natural Language Processing (NLP) for Data Extraction

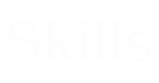
Built models for data and fields extraction using machine learning for legal, healthcare, and banking domain

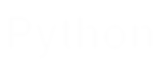
Text processing and Information Extraction using R programming and Python Technology

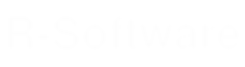
Worked on Predictive analytics projects in python using pandas, Scikit-learn, Nltk, Numpy, and Scipy libraries

Communicate findings clearly to both technical & non-technical audiences to approach

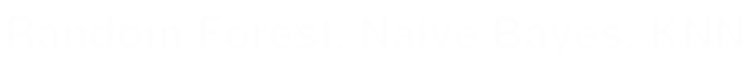
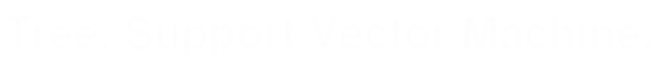
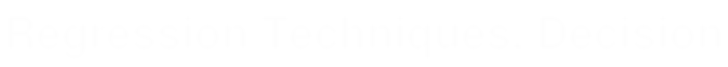
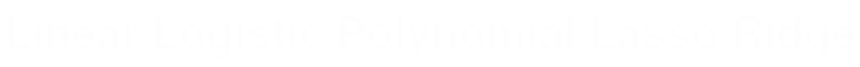
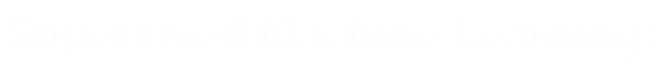
a business challenge

**Skills**

**Python**

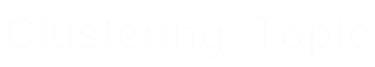
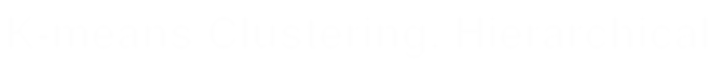
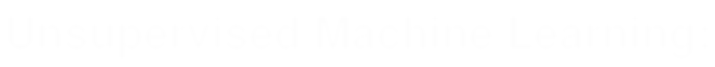
**R-Software**

**Supervised** **Machine** **Learning:** Linear/Logistic/Polynomial/Lasso/Ridge Regression Techniques, Decision

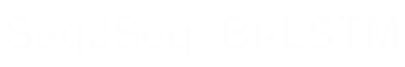
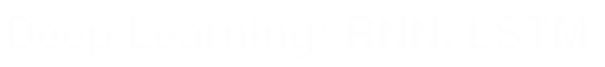


Tree, Support Vector Machine, Random Forest, Naive Bayes, KNN

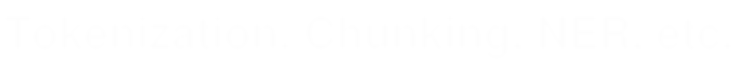
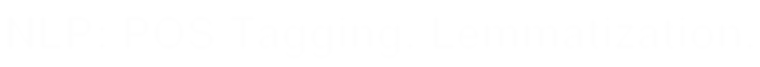
**Unsupervised** **Machine** **Learning:** K-means Clustering, Hierarchical Clustering, Topic



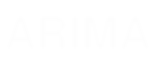
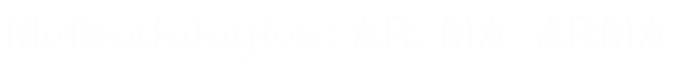
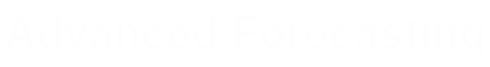
**Deep** **Learning:** RNN, LSTM, Seq2Seq, Bi-LSTM

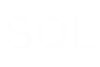


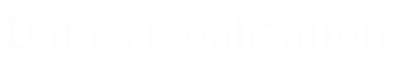
**NLP:** POS Tagging, Lemmatization, Tokenization, Chunking, NER, etc.



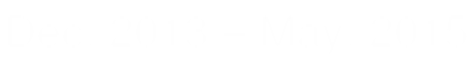
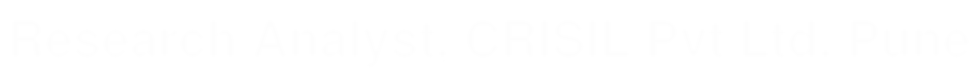
**Advanced** **Forecasting** **Methodologies:** AR, MA, ARMA, ARIMA



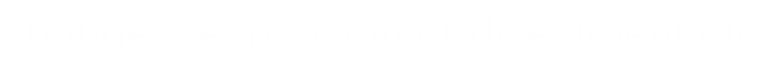
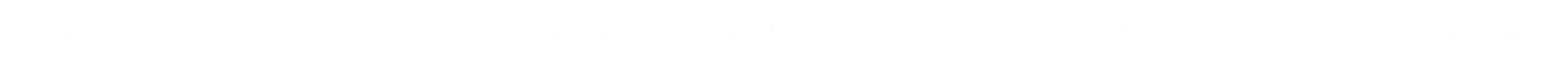
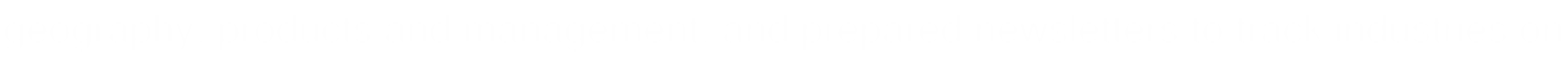
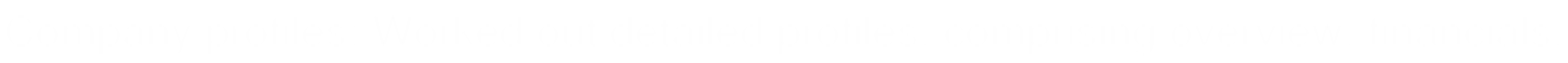
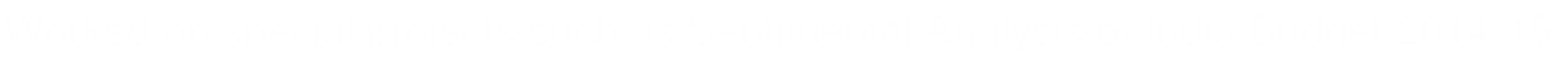
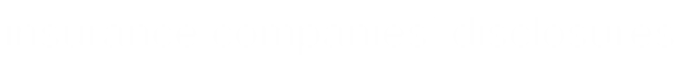
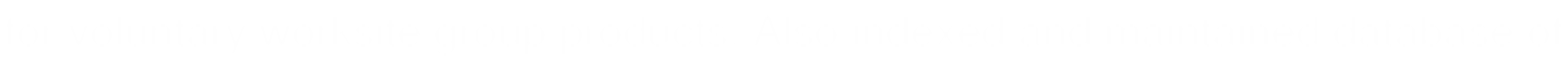
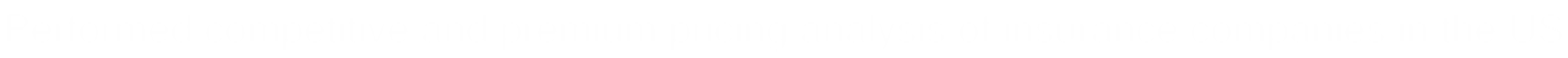
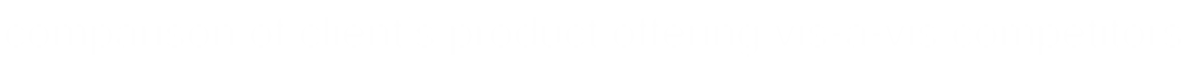
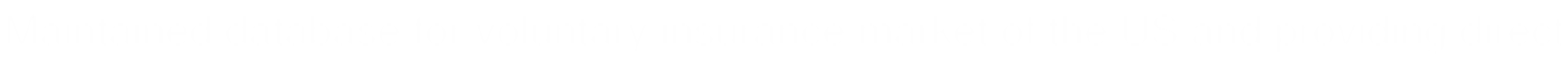
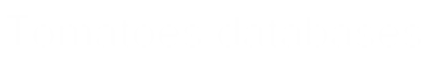
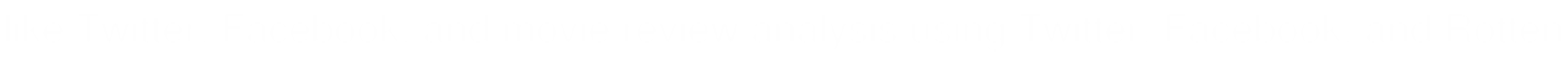
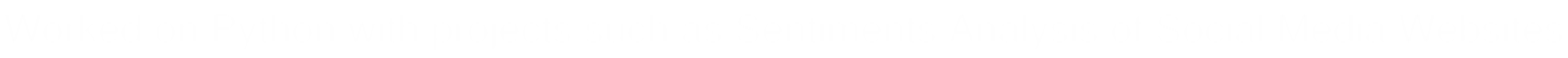
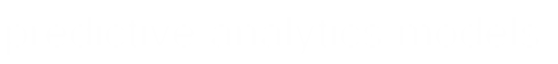
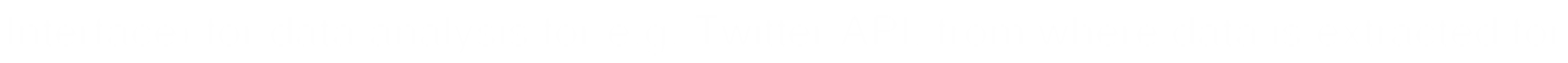
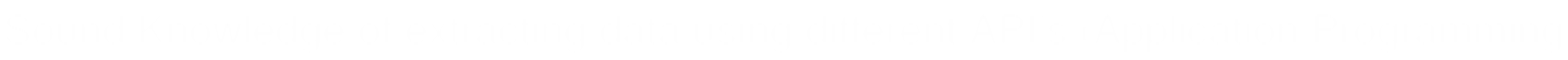
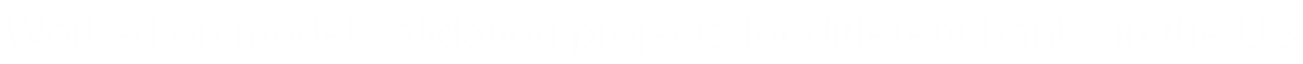
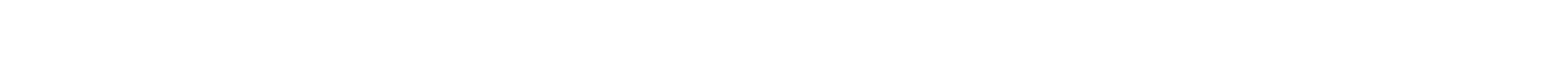
**SQL**

**Data** **Visualization**

**Research** **Analyst,** **CRISIL** **Pvt** **Ltd.** **Pune** Dec. 2013 – May. 2015



Forecasted quarterly sales of manufacturing firms using time series models using SAS tool



Worked on model validation projects for different banks in the US

Sound Knowledge of extracting data using different API’s (Application Programming Interface) for data analysis for e.g. Twitter API, from where data is extracted for predictive analytics models

Worked on Python with projects such as Sentiments Analysis of Social Media Websites like Twitter, Facebook, and movie review analysis using Twitter, Facebook, and Rotten Tomatoes databases

Maintained database for voluntary insurance market of the US and providing direct comparison of client’s product offering vis-à-vis competitors

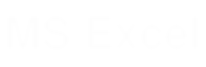
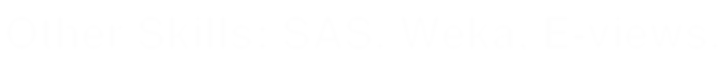
Performed competitive and premium pricing analysis of insurance companies in the US for voluntary worksite group products. Also indexed and maintained database of insurance companies’ disclosures

Worked on special projects such as Sentimental Analysis of India Budget 2014-15

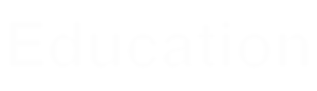
Company profiles: Worked out detailed profiles, comprising overview, financials, geography, products and management, and prepared newsletters to track industries on a regular basis, capturing developments such as product launch, management

changes, expansion or divestment etc.

**Other** **Skills:** SAS, Weka, E-views,

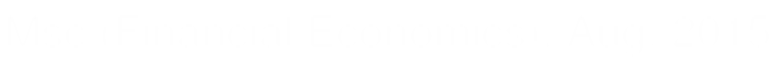
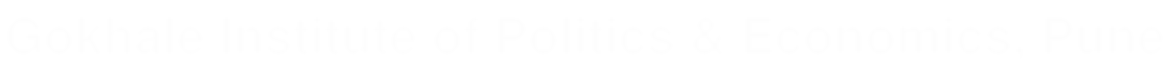


MS Excel

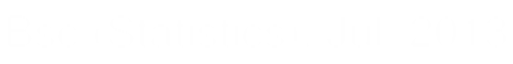
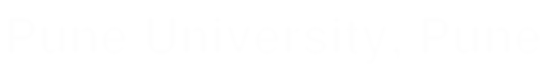
 **Education**

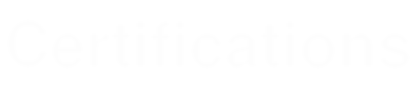


**Gokhale** **Institute** **of** **Politics** **&** **Economics,** **Pune** Msc (Financial Economics), Aug. 2015



**Pune** **University,** **Pune** Bsc (Statistics), Jul. 2013



 **Certifications**



NSE (National Stock Exchange) Certified Capital Market Professional Module Certified Financial Modelling in MS-Excel

