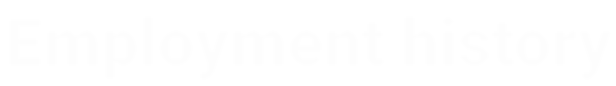
Mayur Vishwasrao



Professional Summary

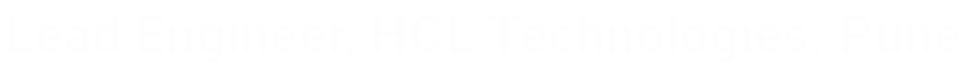
Experienced data scientist having 5+ years of experience in Machine learning, Deep learning, and NLP with demonstrated history of working in the industries like, Oil & energy, Healthcare, Banking & Finance, Legal, Retail, Telecom, etc.



 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.

Built a named entity model for healthcare client



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



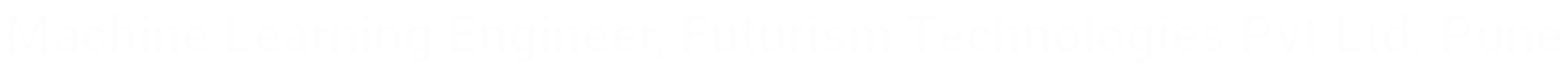
Extensive knowledge of using Machine Learning techniques such as Decision tree, SVM, Random forest, Ordinary Least Squares, Logistic regression, k-Nearest Neighbour, CHAID, Clustering etc. in R, Python



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

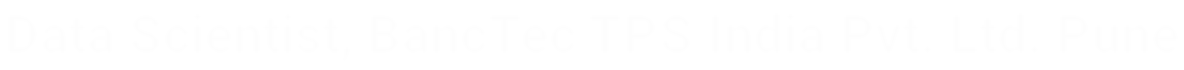


Built an automated email auto responder system using LSTM with Attention layer model



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

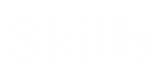
Built models for data and ﬁelds extraction using machine learning for legal, healthcare, and banking domain



Text processing and Information Extraction using R programming and Python



Technology

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**



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



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



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



**Dimension Reduction Techniques:**

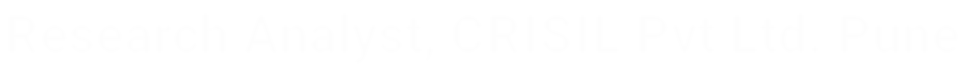
Worked on Predictive analytics projects in python using pandas, Scikit-learn, Nltk, Numpy, and Scipy libraries



Communicate ﬁndings clearly to both technical & non-technical audiences to approach a business challenge



**Research** **Analyst,** **CRISIL** **Pvt** **Ltd.** **Pune**



Dec. 2013 – May. 2015

**Data** **Visualization**

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



**MS** **Excel, SQL**

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



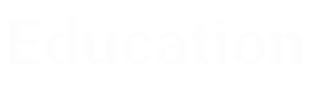
Performed competitive and premium pricing analysis of insurance companies in the US for voluntary worksite group products. Also indexed and maintained database of insurance companies’ disclosures



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

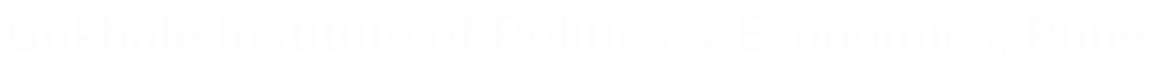
Company proﬁles: Worked out detailed proﬁles, comprising overview, ﬁnancials, geography, products and management, and prepared newsletters to track industries on a regular basis, capturing developments such as product launch, management changes, expansion or divestment etc.



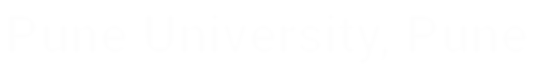
 Education

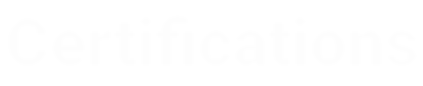


**Gokhale** **Institute** **of** **Politics** **&** **Economics,** **Pune** M.Sc. (Financial Economics), Aug. 2013



**Pune** **University,** **Pune** B.Sc. (Statistics), Jul. 2011



 Certiﬁcations



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