

Mayur Vishwasrao

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Pune.

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CAREER OBJECTIVE

To work on a challenging and accountability-based position that allows me to utilize my analytical and technical skills and further augment this skill set

PROFESSIONAL SUMMARY

HCL Technologies

- 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 generative based conversational Chatbot using deep learning models such as Seq2seq, and LSTM for telecom client
- Working on Voice Chatbots using google cloud speech API, and LSTM architecture
- Extensive knowledge of using Machine Learning techniques such as Decision tree, SVM, Random forest, Neural Networks, 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 tensorflow and keras framework

Futurism Technologies Pvt Ltd.

- Develop a conversational Chatbot using deep learning models- Seq2seq, LSTM, and GRU
- Built an automated email auto responder system using retrieval based approach using LSTM with Attention layer
- Churn prediction using Logistic Regression

BancTec TPS India Pvt. Ltd

- 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 algorithm for product recommendation of different electricity plans.
- 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.

CRISIL Pvt Ltd.

- 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 software 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.

EXPERIENCE SUMMARY

HCL Technologies (Lead Engineer - Machine learning)

- Worked as an Machine learning engineer with HCL Technologies, Pune, from **May 2017 to till date**
 - Generative & Retrieval Based Chatbot Development
 - Text Analytics, NLP

Futurism Technologies (Machine Learning Engineer)

- Worked as an Machine learning engineer with Futurism Technologies, Pune, from **Dec 2016 to Apr 2017**
 - Retrieval Based Chatbot Development

BancTec TPS India (Data Scientist)

- Worked as an Data Scientist with BancTec TPS India, Pune, from **May 2015 to Oct 2016**
 - Energy Prediction Analytics
 - Text processing and Information Extraction using R programming and Python Technology.

CRISIL (Research Analyst)

- Worked as an Jr Research Analyst with CRISIL Pvt Ltd., Pune, from **Dec 2013 to May 2015**

- Qualitative research & exploration
- Gathering, matching and pre-processing large data sets from varied sources having different characteristics

SKILLS

Statistical: Deep learning, seq2seq, LSTM, GRU, Time series modeling and Monte Carlo simulation, Generalized linear models, Ordinary least square, ANOVA, Cluster analysis, Random forest, SVM.

Computer Languages: Python

Statistical Software: SAS, R, Weka

Data visualization software: Tableau

Databse: SQL

NoSql Database: MongoDB (Basic)

Basic Knowledge of Hadoop, Map Reduce

EDCUATIONAL QUALIFICATIONS

- Masters in Financial Economics, Gokhale Institute of Politics & Economics, Pune (2013)
- **B.Sc. in Statistics**, S.P. College, University of Pune (2011)

COURSEWORK DURING MASTERS IN FINANCIAL ECONOMICS

- Econometrics, Derivative, Financial Engineering and Structured Finance, Corporate Finance and Capital Budgeting, Financial Economics, and Security Analysis and Portfolio Management

ACADEMIC PROJECTS

- Forecast volatility in BANK NIFTY Index constituents using GARCH(Generalized Autoregressive conditional heteroscedasticity) model

CERTIFICATIONS

- NSE Certified Capital Market Professional Module
- Certified Financial Modelling in MS-Excel