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 (May 2017- Till Date)**

* Built a generative based conversational Chatbot using deep learning models such as Seq2seq, and LSTM for telecom client
* Built Short Text Summarization model using Naïve Bayes algorithm for healthcare client
* Worked on binary classification model using Bi-LSTM model for healthcare client
* Working on Voice Chatbots using google cloud speech API, and LSTM architecture
* Developed a HR analytics tools for HCL internal recruitment team using Rshiny
* 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 (Dec 2016- Apr 2017)**

* 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 (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 algorithm for product recommendation of different electricity plans.
* Text classification using machine-learning algorithms such as Random forest, SVM, Naïve Bayes etc.
* 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
* 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
* Communicate findings clearly to both technical & non-technical audiences to approach a business challenge.

**CRISIL Pvt Ltd (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 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)**

* Working 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:** C, C++, Python

**Statistical Software:** SAS, R, E-views, Matlab, and SPSS

**Data visualization software:** Tableau

**Database:** 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