SREEJITH SREEKUMAR

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Education

Northeastern University, Boston, MA   **Jan 2017– May 2019**
Master of Science, Data Science – GPA: 3.5/4.0
Coursework: Natural Language Processing, Supervised & Unsupervised Machine Learning, Applied Probability & Stochastic Processes, Computer Vision, Information Visualization, Text Mining, Science of Science (Research)

Government Engineering College, Thrissur, Kerala   **Sep 2007 – June 2011**
Bachelor of Technology, Computer Science
Coursework: Data Structures and Algorithms, Database Systems, Numerical Analysis, and Optimization Methods

Technical Skills

Specialties:	Predictive Modeling, Time Series Analysis, NLP, Deep Learning, Data Visualization
Machine Learning:	Tensorflow, PyTorch, Scikit-Learn, Pandas, NumPy, MatPlotlib, Plotly
Programming:	Python, C++, R, Bash, Java, Javascript
Big Data:	Apache Spark, Mllib, Hadoop, Hive, Sqoop
Databases:	MySQL, Vertica
Other Skills:	AWS, Google Cloud, Distributed Computing, Tableau, D3.js, Linux

Professional Experience

Citizens Bank, *Data Scientist*, Johnston, RI   **Jul 2019 – Present**
- Develop time series models to forecast the inflow and outflow of cash in the accounts of medium-sized business clients of Citizens Bank and provide recommendations on investment opportunities.
- Build a cash forecasting framework that does automatic algorithm selection and parameter tuning for the time series modeling process and deploy the solution using AWS Sagemaker and Lambda.

Centre for Complex Networks Research, *Research*, Boston, MA   **Jan 2019 – Jul 2019**
- Built quantitative models to estimate the influence of title lengths of scientific articles on their popularity.
- Estimated the temporal interdisciplinary novelty in scientific publications as a function of the occurrence of new words in their titles.
- Characterized the fluctuations in word usage in subsequent years with different distributions to identify the words whose usage is increasing or decreasing more than by noise.

Fidelity Investments, *Data Scientist,* Boston, MA.   **Jan 2018 – Jul 2018**
- Developed anomaly detection predictive models, visualizations to analyze abnormal network traffic activities.
- Built exploratory data analysis framework for network log analysis on PySpark.
- Designed probabilistic models for classifying files containing potential threats and achieved a recall of 0.88.
- Created intuitive visualizations using Matplotlib and presented visual stories to executive management.

[24]7.ai, *Senior Data Scientist / Engineer,* India   **May 2015 – Dec 2016**
- Modeled chat transcript data to predict the intent of customer care calls and re-route them to the concerned agent. Achieved a recall of 0.86 for the model.
- Designed and developed a Natural Language Toolkit for chat transcript data exploration and modeling.
- Configured the toolkit on a multi-cluster environment with three Spark nodes for scalability.
- Developed models to predict the chat propensity of customers with agents based on their website behavior data.
- Deployed propensity models in production using Javascript &integrated it on the customer engagement platform.
- Integrated SVM and Random Forest algorithms as Vertica R UDFs and scaled them on multiple nodes.

Xurmo Technologies, *Software Engineer - Analytics,* India   **Jul 2011 – May 2015**
- Built custom analytical functions for data transformation as Apache Hive function extensions.
- Programmed analytics applications using Platform as a Service REST APIs – Text exploration engine, Stock market movement prediction, Sentiment analysis, and customer churn prediction.