Jacinth David

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Education

UMass Amherst   **Amherst Ma, USA**
MS in Computer Science,   *Aug 2017–May 2019*
- Concentration in Data Science
- Coursework: Machine Learning, Probabilistic Graphical Models, Neural Networks, Algorithms for Data Science, Cloud Computing and Systems for Data Science
- Neural Networks and Kernel methods like SVM on sklearn and numpy. Image processing using Deep Convolutional Neural Networks
- Bayesian probabilistic inference and Graphical Models
- MapReduce, Graph Analytics(Pregel/Giraph), Concurrency in java using Events, multiple threads and processes
- Scaling AWS instances based on automated allocation of web traffic

NIT Nagpur   **Nagpur MH, India**
Bachelor of Technology in Electronics and Communication Engineering,   *Aug 2010–Jun 2014*
- Senior year project was on probabilistic music creation using MATLAB

Experience

School of Public Health, UMass   **Amherst MA, USA**
R programmer   *Feb 2018–Now*
- Package creation and restructuring code for bayesian/statistical models built on R

Mu Sigma   **Bangalore KA, India**
Decision Scientist   *Sep 2014–May 2016*
- Awarded for excellent execution on a Web Dashboard for my client. The data pipeline processed and aggregated data from search logs. The dashboard had high impact because no tool had exposed so much data before in my client's organization
- Mined client's data for insights and predictions using machine learning and statistical analysis. My clients used the insights provided by me to solve their business problems
- Learnt how to come up with hypotheses and test them against data, apart from iterating on a task quickly and following the AGILE framework
- I had access to Bing search logs, over 1500 PB for analysis and reporting. Learnt how to efficiently manage and work with large datasets
- Automated tasks using SQL, R, VBA and powershell scripts
- Learnt how to synthesize vast amounts of information into an engaging narrative

Skills

Languages: Proficient in Python, R and SQL. Comfortable on Java, Ubuntu and Matlab. Used C++ and C in coursework

Platforms: Experience with NoSQL (Cassandra, Scope on top of COSMOS), Amazon EC2, Zookeeper, SQL Server and SQL Server Tools (SSIS, SSRS), Hyper V, Power BI, Bash and PowerShell scripts, VBA and Excel

ML and Statistics: Markov Chain Monte Carlo for bayesian inference, Logistic and Linear Regression, Generalised Linear Models, Hypothesis testing - ANOVA, chi-square, t-tests, Clustering, Nearest Neighbor, PCA