Ashwin Nikam

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EXPERIENCE:

- **Software Engineering Intern** **June 2017 - August 2017**
  Endorsify, Los Angeles CA 90069 (worked remotely)
  Worked on a project to build a data visualization dashboard tailoring the influencer marketing industry. Dynamic integration of Google Analytics and Heap Analytics. Web scraping for data related to influencer marketing. Worked on integration of Clarifai API to build a tool for generating tags from images on Instagram and help select appropriate influencers from the tags.

EDUCATION:

- **Pursuing Masters of Science in Computer Science** **Anticipated Graduation Dec 2017**
  State University of New York at Buffalo, Buffalo, NY, USA. GPA: **3.66**
  Courses - Analysis of Algorithms, Software Engineering Concepts, Information Retrieval, Computer Security, Introduction to Machine Learning, Distributed Systems and Data Intensive Computing.
- **Bachelor of Engineering in Computer Engineering** **Aug 2012 - May 2016**
  University of Pune, India, Result: **First Class with Distinction**

TECHNICAL SKILLS WITH HANDS ON EXPERIENCE:

- **Programming languages:** Core and Advanced Java, C++, C, Python, R.
- **Tools & Technologies:** Git, Apache Solr, Amazon Web Services, Android Studio, Jupyter, Tableau, Apache Spark, Hadoop Map Reduce.
- **Web development:** HTML, CSS, Javascript, PHP Laravel.

PROJECTS:

- **Replicated Key Value Storage on Android** **May *2017***
  This project included implementing a simplified version of Amazon Dynamo DB including Replication, Partitioning and Failure Handling. The main goal is to provide linearizability and availability at the same time. The implementation should perform read and write operations successfully even under a failure.
- **Text Processing with Map Reduce and Apache Spark** ***April 2017***
  Implemented word count and word co-occurrence on classic latin text using Hadoop Map Reduce framework and then compared its performance vs using Apache Spark. Each word had to be lemmatized and performance evaluation was done based on scalability and time required for processing.
- **Interactive Dashboard showing US University Visualization** ***April 2017***
  This project required performing exploratory data analysis on a popular data-set(World University Rankings) and visualizing the results and interacting with them. Tableau was used for this project. The project involved building an interactive dashboard in order to understand the impact of funding, research and international diversity on the rankings of US Universities.
- **Handwritten Digits Classification** ***March 2017***
  Implemented a Multilayer Perceptron Neural Network and evaluated its performance in classifying handwritten digits. Then used the same network to analyze a more challenging face dataset and compared the performance of the neural network against a deep neural network using the TensorFlow library.
- **Group Messenger with Total and FIFO Ordering Guarantees** ***March 2017***
  The project required implementation of a content provider for each Android emulator instance for storing key value pairs. Each message was multi-casted to all active AVDs. The project required us to implement an algorithm to maintain Total and FIFO ordering guarantees under a randomized failure of any one AVD at any point of time.
- **Data Collection and Visualizing Geo Spatial Information using Juyter and R** ***January 2017***
  The objectives of this lab were collecting data by querying the Twitter REST API and processing the data using twitteR library package. Information had to be summarized for specific queries like finding trends of a particular place. Geo spatial information extracted from tweets had to be used in order to plot the tweets related to a specific hashtag, on a map for visualization.
- **Question Answering using Entity Recognition and Natural Language Processing** ***December 2016***
  Developed a QA system for answering what/who/where type questions on twitter data indexed in Solr. The project focused on determining answer types and extracting facts from the tweets which was done using Natural Language Processing (NLP). Main aim of this project was to answer the questions based on these facts. The project required the use of OpenNLP library for POS (Parts of speech) tagging along with entity detection and entity extraction using Google's Cloud Natural Language API.