Aniruddh Radhaballabh Chaturvedi

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EDUCATION:

- **Masters of Science in Computer Science.** **Dec 2017**
  University at Buffalo, The State University of New York, Buffalo, NY, GPA – 3.58/4.0.
- **Bachelor of Engineering in Information Technology.** **May 2015**
  University of Mumbai, Mumbai, India.

TECHNICAL SKILLS:

- **Programming languages:** Java, Python, R, C++.
- **Tools & Technologies:** Android, Django, Android Studio, Microsoft Visual Studio, Pycharm, Eclipse, Apache Solr, RStudio, Jupyter, Hadoop Map Reduce, Apache Tomcat, Apache Lucene API, Linux OS, Tableau.
- **Web development:** HTML, CSS, XML, JSP, Java Servlets.

PROJECTS:

- **Distributed Key-Value Storage based on simpler version of Amazon's Dynamo** | https://git.io/vNWHc **May 2017**
  Implemented Dynamo style simple Key-Value Storage with Partitioning, Replication and Failure Handling in Android.
- **Implemented a rest API by making calls to an existing API using Django rest framework** | https://git.io/vNW7q **Jan 2018**
- **Implemented PCA, Association Analysis, Clustering Algorithms and Classification Algorithms in python** **Nov 2017**
  Association Analysis - https://git.io/vNWQt | Clustering - https://git.io/vNWQY | Classification - https://git.io/vNWQG
- **Designed an Interactive Dashboard to Visualize Results of Data Analysis on Tableau** **May 2017**
  https://public.tableau.com/profile/aniruddh7173#!/vizhome/Universitiy_Visualization/Story
- **Data processing using Hadoop Map Reduce** | https://git.io/vNWHo **April 2017**
  Performed Word Count and Word Co-occurrence on Twitter data and Lemmatized Latin text using Hadoop Map Reduce.
- **Distributed Hash Table based on simplified version of Chord** | https://git.io/vNW9p **March 2017**
  Implemented a DHT with functionalities such as ID space partitioning, Ring based routing, Insert, Query, Delete and Node join.
- **Android based Group Messenger with Total & FIFO ordering along with failure handling** | https://git.io/vNWHB **March 2017**
  Implemented a group messenger with Total and FIFO ordering guarantees by using ISIS algorithm and ensured ordering of messages under a failure by detecting the failed device and doing the necessary state cleanup.
- **Data Collection & Visualization in R** | https://git.io/vNWHD | **Data Cleaning using R** | https://git.io/vNWHF **Feb 2017**
  Collected data using the Twitter Rest API & processed it using TwitteR library of R. Visualized the geo spatial information extracted from tweets using geo map libraries of R. Performed Data Cleaning on a dataset from kaggle by using dplyr package of R.
- **Data Indexing - Indexing large volume of data in a Solr instance, in this case tweets collected from Twitter** **Sept 2016**
  Collected tweets from Twitter's REST API and Configured a Solr instance to index the collected tweets.
- **Android App - Get me help** | https://git.io/vNle9 **March 2014**
  Used the android.location package to get the location coordinates of the android device and to perform Reverse Geo-coding. When you click on a button, the App sends a message to the registered phone number with the exact street address of the phone.

WORK EXPERIENCE:

Software Engineering Intern, Mortara Instrument, Inc. Milwaukee, WI. **June 2017 – Aug 2017**
Software Porting:
- Ported DLL's from an existing software product written in C++ and VB6 on Visual Studio 2005 to Visual Studio 2015.
- Fixed compile time errors and dependency errors for several DLL's.
- Implemented existing functionalities in C++ in new environment.
- Composed Design Specification Document for the software.

Product Issue Investigation:
- Replicated & tested the architecture of a Cardiac Rehab Software in multiple systems.
- Reproduced a reported crash by planning & executing different test plan strategies.
- Inspected code to find out potential causes of the crashes.

Assistant Manager – Infra Admin Operations (SAP Basis Team), Reliance Jio Infocomm Ltd, India. **Jan 2016 – July 2016**
- Provided 24*7 support to critical SAP production systems. Performed performance monitoring by analyzing system performance and adjusting various tuning parameters to maintain optimum utilization.
- Completed training on SAP Basis module and Linux based OS.

CERTIFICATIONS:

- **Certification in Core Java mapped to Java SE 6 Programmer Certified Professional exam.** **Feb 2012**
- **Certification in Android.** **March 2014**
- **Certification in Advance Java mapped to Oracle certified web component developer.** **Nov 2012**