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SUMMARY OF QUALIFICATIONS

- Strong understanding of statistical theory and applications of machine learning in real world problem solving.
- Innate ability to simplify and to communicate clearly with peers/clients/stakeholders on projects and results.
- Technical Skills: Python, R, Java, SQL, Javascript, HTML, CSS, C, C++, C# .Net, Hive, Hadoop, Spark, Tableau
- Packages & Frameworks: D3, BigQuery, Graphlab, AWS, MongoDB, Pandas, Numpy, Scikit-Learn

EDUCATION

University of Washington, Information School, Seattle, WA (*3.93/4.0*) *Anticipated Graduation: Jun 2017*
Master of Science in Information Management -- Specialization in Data Science & Analytics. Relevant Coursework: Data Science I, Machine Learning & Econometrics, Advanced Data Visualization, Information Architecture, Data Scaling Applications & Ethics.

Osmania University, Hyderabad, India (*86.85%*) *Jun 2014*
B.S. Computer Science and Engineering -- Relevant Coursework: Data Structures, Software Engineering, Database Management Systems, Artificial Intelligence, Data Mining, Information Security, Information Storage and Management

WORK EXPERIENCE

Concur, Seattle, WA – Product Analyst Intern *June 2016 – Present*
- Working on the Product Intelligence team to build predictive models for customer churn using machine learning techniques.
- Extracting data from SQL and Hadoop environments for feature engineering, analysis and implementing ensemble models.
- Built and automated end-to-end data pipeline for data extraction, preprocessing, mining, prediction and data visualization.

Google Inc., Hyderabad, India – Associate Account Strategist *May 2014 – Aug 2015*
- Provided strategic advice to help advertisers maximize ROI by working closely in a consultative role using extensive data analysis.
- Worked in the Tools team to develop data dashboards and software solutions for the Business Unit.

S&P Capital IQ, Hyderabad, India – Intern (Technology) *Dec 2013 – May 2014*
- Built a .Net web application: Test harness to validate Web Services on a periodic basis and scheduling critical tests.
- Holistic experience with web design, end to end software development, backend integration, and testing.

Google Inc., Hyderabad, India – Intern (Sales & Product Strategy) *May 2013 – July 2013*
- Consolidated market-wide data and mined patterns to suggest optimizations and process improvement.
- Automated the analysis process and helped design a dashboard to form a sustainable solution.

ACADEMIC RESEARCH PROJECTS

Data for Economic Development - Improving access to Financial Institutions based on Mobile Cellular Data Records in Ghana
- Worked as a Research Assistant for Prof. Joshua Blumenstock to crunch terabyte scale Call Detail Records data using Spark.
- Cleaning, Anonymizing, and Visualizing data for enabling clear understanding of social and economic behavior of population.

HCUP (Healthcare Cost and Utilization Project) - Fixed Effects Econometrics (Project Link) *Jan 2016 - June 2016*
- Working with Prof. Benjamin Althouse on modeling relationships between vaccination uptake and hospitalization for WA state.
- Built fixed effects model for gauging impact of vaccination within counties normalizing for demographic characteristics.

Wikitrends - Wikipedia Trend Analysis During US Presidential Elections (Project Link) *Apr 2016 - June 2016*
- Understanding relationships between Wikipedia and general interest on Google Trends over time for presidential elections.
- Mined extremely large messy data in the form of wikipedia log files using GraphLab Dato Distributed API on 20 node cluster.

Home Value Patrol - Seattle 911 Response Data & Zillow data research statistical analysis in R (Project Link) *Oct 2015 - Dec 2015*
- The project aims at answering a key research question: Does crime in a given neighborhood affect the value of homes?
- Running regression models to study ZHVI (Zillow Home Value Index) correlation with property crime types.

Optimal Lighting Decisions - Explorable Explanation for data visualization using D3, jquery, CSS, HTML (Project link) *March 2016*
- Interactive D3 Application to enable smart decisions for lighting up houses using Intuitive visual encoding schemes.