

ROHAN MANOJ THAKKAR

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EDUCATION

UNIVERSITY OF WASHINGTON, Information School, Seattle, WA *Anticipated: Jun 2017*

- Master of Science in Information Management - Data Science and Analytics (*GPA - 3.71/4*)
- **Selected Coursework:** Data Science 3 - Scaling, Ethics and Applications, Data Science 2 - Machine Learning & Econometrics, Data Science 1 - Foundations, Business Intelligence Systems, Analytical Methods for Professionals

UNIVERSITY OF MUMBAI, K J Somaiya College of Engineering, Mumbai, India *Jun 2015*

- Bachelor of Engineering with First Class Honors in Computer Engineering (*GPA - 3.78/4*)
- **Selected Coursework:** Applied Mathematics (I, II, III, IV), Computer Simulation and Modeling, Data Warehousing & Mining, Advanced Database Management System, Database Management System, Data Structures and Files

SKILLS

- **Languages:** R, Python, SQL, Java, D3.js, MATLAB, SAP ABAP, C++, HTML, CSS, PHP, JavaScript, C#, .NET
- **Tools:** Tableau, SSIS, SSAS, SQL Server, Visio, Visual Studio, MySQL, Excel, Weka, SPSS, AWS, MongoDB, Hive
- **Soft skills:** Analytical thinking, Creative problem solving, Communication, Leadership, Teamwork

PROJECTS

DATA VISUALIZATION, MACHINE LEARNING AND ECONOMETRICS (<http://27rohan.github.io>) *Oct 2015-Apr 2016*

- Implemented techniques in machine learning and econometrics using iPython notebook environment on real-world data
- Performed exploratory and statistical analysis on datasets provided in 3 Kaggle competitions using R Studio
- Achieved web scraping on the course catalog data of IIT-Kharagpur using Beautiful Soup and pushed as SQL to AWS
- Integrated a sortable bar chart visualization demo in the D3.js library of JavaScript and hosted it on an AWS server
- Graphically simulated the five widely used sorting techniques in the AWT and Swing toolkits of Java

END-TO-END BUSINESS INTELLIGENCE SYSTEM (<https://github.com/27rohan/DataMart>) *Jan 2016-Mar 2016*

- Analyzed sales figures to give recommendations to increase profitability with a focus on reseller performance
- Created customized ETL packages and built a data warehouse with staging tables and dimensional star schema model
- Deployed an OLAP cube using SQL Server Analysis Services that allows end users to mine the data for insight
- Utilized data extracted from OLAP cube and warehouse to build multiple interactive dashboards using Tableau

BUSINESS ANALYTICS IN TRAFFIC MANAGEMENT SYSTEM (<http://tinyurl.com/zvdgfbf>) *Jun 2015-Sep 2015*

- Applied clustering and decision trees on Datameer to analyze data collected from traffic accidents in Indian cities
- Displayed the analysis results via various charts, graphs and wordcloud on the Data Analytics interface

PAGE INTEREST ESTIMATION USING WEB USAGE MINING (<https://github.com/27rohan/SpiderMonkey>) *Aug 2014-May 2015*

- Surveyed multiple white-papers to devise a suitable page-ranking algorithm for the web pages visited by each user
- Facilitated the access to repository for all web pages using Oracle MySQL and connected it to front-end using PHP
- Presented weekly progress reports in seminars and competitions before departmental heads and project committees

WORK EXPERIENCE

DISABILITY RESOURCES FOR STUDENTS, UNIVERSITY OF WASHINGTON, Seattle, WA *Sep 2015-Present*

Student Assistant (Math Lead) - Part Time

- Submitting weekly reports of the team's performance by analyzing the work-sessions' data stored in a central DB

LARSEN & TOUBRO TECHNOLOGY SERVICES LIMITED, Navi Mumbai, India *Jun 2014-Aug 2014*

Summer Intern - Full Time

- Involved in requirements gathering, flowchart analysis and use case analysis of 'Overcurrent Relay'
- Managed data caching and optimized the website by deducting the JavaScript code to 70% of its size
- Implemented the GUI using HTML, CSS and JavaScript with focus on ease of navigation

RAJ INFORMATION SYSTEMS PRIVATE LIMITED, Mumbai, India *Aug 2013-Nov 2013, Dec 2012-Mar 2013*

Business Intelligence Development Intern - Part Time

- Delivered an effective SQL querying for managing large databases at the client-side using SQL and TeamViewer 7
- Formulated a cross-platform GUI code and migrated it to Sybase Power Builder v11.5 and tested it for consistency
- Documented e-reports on Crystal Report v11.5 for invoices and duty-slips leading to overall 60% savings on paper

COMMUNITY SERVICE

CITIZENS ASSOCIATION FOR CHILD RIGHTS, Computer Literacy Project Volunteer, Mumbai *Jul 2014-Mar 2015*

YUVAK PRATISHTHAN, HIV/AIDS Awareness Speaker, Mumbai *Jun 2013-Jan 2014*