

# ROHAN MANOJ THAKKAR

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## EDUCATION

**UNIVERSITY OF WASHINGTON**, Information School, Seattle, WA (*Student ID: 1527713*) *Anticipated: Jun 2017*

- Master of Science in Information Management - Data Science (*GPA - 3.66/4*)
- **Coursework:** Machine Learning, Data Scaling & Applications, Data Analytics, Android Development, Information Architecture, Business Intelligence Systems, Analytical Methods

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

- Bachelor of Engineering in Computer Engineering with First Class Honors (*GPA - 3.78/4*)
- **Coursework:** Object Oriented Software Engineering, Data Structures & Files, Web Engineering, Data Warehousing & Mining, Data Management System, Distributed Systems, Computer Networks, Artificial Intelligence, Operating Systems

## SKILLS

- **Languages:** Java, Python, SQL, R, D3.js, Bash (UNIX), XML, HTML, CSS3, Bootstrap, PHP, JavaScript, C++
- **Frameworks:** Jupyter (IPython), Android Studio, IntelliJ, Git, Gerrit, Spring MVC, Wordpress, .NET, Google Analytics
- **Tools:** AWS, SQL Server, MySQL, Visio, Visual Studio, Gradle, Maven, Spark, XAMPP, Netbeans, Eclipse, Vim

## WORK EXPERIENCE

**CYANOGEN INC.**, Seattle, WA *Jun 2016 - Present*

*Software Engineering Intern - Full Time*

- Assisting the data-cloud team in building the knowledge graph of users based on their interest areas for recommendations
- Migrated the back-end repo of a software from SQL to MongoDB for better scaling, ensuring integrity of the front-end
- Solely coded and pitched a full-stack software to be integrated with the automation server, that performs -
  - Data mining and manipulation using REST APIs in Python and stores outputs on a NoSQL database server
  - Generates online interactive dashboard in D3.js on client-browser with multiple filters for pattern-recognition
  - Forecasts and displays total exceptions in each type for a future date range using machine learning techniques

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

*Web development Intern - Full Time*

- Implemented the GUI using HTML, CSS3 and JavaScript (JS) with focus on user-friendliness and ease of navigation
- Managed JS data caching and optimized the website by refactoring the JS code, deducting its size by almost 45%

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

*Software 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

## PROJECTS

**CHASE IT!** ([https://github.com/27rohan/Chase\\_it](https://github.com/27rohan/Chase_it)) *Apr 2016 - Jun 2016*

- Building an addictive Android game in Android Studio using Java on back-end and XML on front-end
- Features - Multiplayer mode (Wi-Fi direct), touch screen and motion sensor recognition, local leaderboard

**MACHINE LEARNING, WEB SCRAPING AND DATA VISUALIZATION** (<http://27rohan.github.io>) *Dec 2015 - May 2016*

- Performed web scraping on the course catalog data of IIT-Kharagpur using BeautifulSoup and pushed as SQL to AWS
- Achieved store-sales forecasting of historical data available for 45 Walmart stores as part of a Kaggle competition
- Implemented machine-learning and econometrics techniques in IPython notebook environment on Boston housing data

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

- Created customized ETL packages and built a data warehouse to analyze sales figures and increase profitability
- Tools used: Microsoft Business Intelligence Suite (SQL Server, SSIS, SSAS), Visio, Visual Studio, Tableau

**GETOUT!, TRAVELNOW** (<http://mxs2qh.axshare.com/#p=home>) *Oct 2015 - Dec 2015*

- Provided a user-centric design and content management of wireframes designed for web and mobile applications

**COLORME - DUBHACKS SEATTLE** (<https://github.com/27rohan/ColorMe>) *17 - 18 Oct 2015*

- Co-developed a native Android app that captures an image and displays the dominant color using Palette API and Git

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

- Designed the plan for execution of the LAMP stack software and expedited the old web-crawling process by almost 25%
- Co-designed the GUI enabling users' actions to be recorded using jQuery events that make an AJAX call to PHP scripts