

# Harish Alagesan

Email: [ha2703@rit.edu](mailto:ha2703@rit.edu) • LinkedIn: <https://in.linkedin.com/in/harishalagesan> • Mobile: (585) 434-6272

## EDUCATION

**Rochester Institute of Technology, Rochester, NY** - *Master of Information Science and Technologies* GPA 3.42 May 2017  
**PES Institute of Technology (PESIT), Bangalore, India** - *Bachelor of Engineering, Computer Science* June 2010

## SKILLS

**Technical:** R studio, Python, Tableau, MySQL, HTML5, JavaScript, CSS, PHP, BML, Java, C, C++, C#, Weka

**Functional:** Data Analytics, Predictive Analytics, Full Stack Development, Front End Development and Web development,

**Relevant Coursework:** Data Mining, Advanced Data Mining and Predictive Modelling, Knowledge Representation Techniques (Data transformation and Structuring, MongoDB), Knowledge Processing Technologies (Information Retrieval using NLP), Data Warehousing, Statistics, Client Programming and Server Design and Development,

## EXPERIENCE

**Member of Technical Staff, Sway Techno Solutions (P) LTD** Nov 2013 to Dec 2014

- Designed testing applications and built test documents to execute test scenarios for M2M asset tracking applications.
- Managed project progress and setup review meetings as a scrum master and generated reports.

**Project Engineer, Wipro Technologies, Bangalore, India**

Sep 2010 to Sep 2013

*Platform BigMachines, Language BigMachines Language, HTML5 and JavaScript*

- Designed and developed printer configuration tools for sales representatives in Xerox enabling easily customizable options.
- Designed and developed costing and pricing tool for Xerox financial print services
- Designed and developed Workflow and global approval process for print services in Xerox that integrated sales representatives and approval managers from across the globe into one system under a single platform.
- Developed a web application interface through BigMachines development kit combined with HTML5 and JavaScript
- Created new functionalities (timer) that proved to be an effective tool by itself for the organization and the clients.
- Developed testing tools, created design, test, user documents and release notes thus minimizing outsourced testing costs.
- Mentored new recruits and trained new employees from the practice on the new platform and process.

**Intern, Cisco, Bangalore, India**

Jan 2010 to May 2010

*Software used: Eclipse, Tomcat server, JDK, MySQL server*

- Developed a virtual network frame to visually enact and establish the process of a data packet transfer over a large network.
- Implemented methods to track and detect loss of data packets within a private network.

## ACADEMIC PROJECTS

**Outbrain Click prediction (R studio, python)**

Mar 2017 to Present

- Design and development of a predictive model that will analyze the given data of user's page views and click rates of ads over a period, to rank the results of ads that have the maximum likelihood of being clicked.

**RESTful Lab Appointment Management System(PHP Client(jQuery, JavaScript,HTML5) Server(Java)** Mar 2017 to May 2017

- Designed and developed an Appointment management website executing a REST service in java that returns XML.
- Utilized a preexisting Data layer and developed a Business layer for rules and Service layer for services implementation.
- Implemented GET, POST and PUT requests and a REST Client using PHP with all functionalities and features necessary.

**Recommendation system & Sentiment Analysis for car dealer reviews (JAVA, HTML5, CSS)**

Aug 2016 to Dec 2016

- Designed and developed a website for users to find the best car dealers in each location based on their search.
- Ranked the results after information retrieval through vector space model.
- Classification was performed based on sentiments expressed by customers through their reviews for best user experience.

**Predicting Red Hat Business Value (R Studio, Python)**

Aug 2016 to Dec 2016

- Analyzed the behavioral data of Red Hat customers to predict a focus group using various supervised learning techniques.
- Classified every individual who identified to be of potential business value to the organization from a chosen population.
- Data was processed using python and models were built, visualized and validated using R studio.

**Data mart to evaluate the financial performance of a product company (MySQL, Pentaho)**

Feb 2016 to May 2016

- Designed and developed a data mart that defines business functions of a company involved in financial control and analysis.
- Operations performed include analysis of sales on three divisions of the company at gross profit margin level, optimization of cost performance, evaluation of financial performance, entity definition, dimensional modeling.
- ETL – Data extraction, staging, cleansing and transformation, Providing end user application.

**Twitter Search (MongoDB, Node)**

Mar 2016 to May 2016

- Developed a web application using MEAN stack that returns a selected list of documents based on user search.
- The documents returned can be subjected to modification and updated to the database.
- Implemented search of unstructured data to analyze airline tweets using MongoDB's aggregate pipeline functions and MapReduce.

## ACTIVITIES AND AWARDS

- Received Graduate Student Merit Scholarship, Rochester Institute of Technology (2015-2017)
- Shift the Gear Award (Best Performer in Xerox Department), Wipro Technologies (2013)
- Microsoft Specialist: Programming in HTML5 with JavaScript and CSS3 - License E178-3344 (2013)
- Microsoft Certified Professional - License E178-3349 (2013)
- FIMP Award (Showcasing excellent Leadership), Wipro Technologies (2012)