Harish Alagesan

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

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

Relevant Coursework: Client Programming, Server Design and Development, 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 and Statistics.

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 integrating 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.

Development of an E-Commerce site for a new E-tailer (PHP, HTML5,CSS, MySQLi)   *Feb 2017 to Apr 2017*
- Designed and developed an e-commerce website with features/web pages - user registration, user login, genre based display of products, user search based display, creation of cart, checkout page, adding and removing items with all information stored and retrieved from a database.
- Additional features – Admin access to add new products from UI, implemented validation and sanitization for all fields, separated discounted and general items, user session monitored and stored, demonstrated a mock checkout process.

Creation of IST (department) Website to consume the web service (HTML, JavaScript, CSS, jQuery)   *Sep 2016 to Dec 2016*
- Designed and developed a web presence for the Information Science and Technologies department of RIT using jQuery.
- Implemented dynamic creation, animations, form validations, browser detection and redirection all the 'jQuery' way.
- Used AJAX to pull in data from JSON provided by the web service and made use of a map interface.

Interactive Form Elements (HTML5, DHTML, pure JavaScript, CSS)   *Aug 2016 to Dec 2016*
- Designed and developed a web page with dynamically created form elements depending on user's choice of selection.
- Implemented the use of local storage and cookies along with browser compatibility check.

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.

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)