

Gaurav Hegde

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EDUCATION

Robert H. Smith School of Business, University of Maryland, College Park, MD

Aug 2015- Dec 2016

Master of Science (MS) Focus Area: Information Systems; GPA-3.4

Relevant Courses: Decision Analytics, Big Data, Data Mining & Predictive Analysis using R, Business Process Analysis, Database Base Management Systems, Data Models & Decision, Managing Digital Marketing

Fr. C. Rodrigues Institute of Technology, Mumbai, India

Aug 2008- May 2012

Bachelor of Engineering, Computer Science; GPA-3.6

PROFESSIONAL EXPERIENCE AND RELEVANT PROJECTS

Information Technology Intern- BerkleyNet Underwriters, W.R Berkley Corporation, Virginia

May 2016- Aug 2016

- Extracted data using JQL and created dashboards in JIRA to get trends of issues encountered in various releases
- Analyzed and visualized data using pivot tables and charts to understand resource allocation and work load in the team
- Customized SQL queries in WINSQL to get insights on various policies and quotes being created for various states in USA
- Administered deployment for development and integration environments using IBM Web Sphere along with running data fix scripts, thus reducing work load for software developers and increasing productivity by 10%
- Developed test suite for automation testing and ran automation scripts using Eggplant to create policies and quotes for customers

Software Quality Analyst- Financial Services Technologies Inc. (FSTI)

Nov 2012- Jun 2015

- Followed the Agile methodology by breaking requirements into user stories and prioritizing them in JIRA
 - Suggested Change Requests based on the compatibility and expectations of end users with a V-model approach
 - Executed SQL join queries to fetch various data and analyze data points to ensure defect free deliverables to clients; contrived test scenarios on test-techniques like Boundary Value Analysis & Equivalence Partitioning in QC
 - Evaluated all regression functionalities by using UML diagrams and prepared functional test cases ; executed test scripts to avoid warranty defects thus ensuring a Customer Satisfaction Index of '4.0'
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ACADEMIC PROJECTS

Product Owner for Business Process Analysis- Healthy Futures through Sports Program

Feb 2016- May 2016

- Extracted requirements from Madieu Williams Foundation for developing an online website promoting healthy lifestyle for people living in PG county; followed the agile methodology process with sprints every two weeks
- Defined and prioritized customer centric user stories for the scrum team; actively added items to the product backlog

Big Data- Descriptive and Predictive Analysis on Amazon Fine Food Reviews

Mar 2016- May 2016

- Curated and organized 568,454 reviews from Amazon users and uploaded in Amazon Web Services (AWS) cluster
- Performed descriptive analysis using Pig commands and SQL queries on Hive to gather seasonal patterns of reviews
- Conceptualized a prediction model to understand the sentiment of reviewers using py-Spark and visualized the results

Data Mining and Predictive Analysis using R- Prediction of the US Primary Elections

- Visualized election trends, state-wise age demographics and voting inclinations using R-studio and Tableau
- Fitted regression models in R to classify election trends with linear, GLM, k-NN and Naïve Bayes algorithms.
- Computed misclassified points using ROC curve and plotting predicted probability against test set to get an accuracy of 84.2 %

Database Management System –Community Housing Management

Aug 2015-Oct 2015

- Designed a management system to maintain a community in a centralized manner using MySQL server
 - Explored a variety of housing services using ERD diagrams and DDL , DML & DCL functions
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LEADERSHIP & VOLUNTEER EXPERIENCE

Aug 2015-Present

Vice President of External Relations- MS Professional Communications Club

- Conducted workshops like 'Ace the Elevator Pitch' and 'Mock Career Fairs' by connecting with influential IT executives and alumni, helping students to gain valuable insights and enhancing their communications skills

Track Representative of the Cohort

- Empowered students to discuss issues and brought them to the attention of the MPO staff, faculty and administration
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SKILLS & CERTIFICATIONS

- **Analytical:** Hadoop-Pig, Sqoop, Spark, Hive, Impala Advanced Excel, MySQL ,R Programming, Tableau, Amazon Web Services
- **Technical:** IBM Bluemix, IBM Web Sphere, JIRA, Automation Testing tool: Selenium & Eggplant, HP- ALMS, HTML5, CSS
- **ISTQB Certification:** Foundation Level Certification in Software Testing held by the Software Testing Board
- **National Stock Exchange of India Certification:** Mutual Funds, Financial Market, Currency Derivative