AKANKSHA AVHAD

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Summary

Developer with innovative mindset and history of productive successful projects. Versatile and adaptive with 2+ professional experience in IT industry with expertise in Web Applications, Database, and App Development.

Education

Master's degree in Information Technology, University of North Carolina at Charlotte (GPA: 3.89)	May 2017
Bachelor's degree in Computer Science, University of Mumbai (GPA: 3.68)	May 2013

Computer Skills

Languages:	Java, Ruby
Databases:	Oracle 11g, db2, iBatis, MySQL
Web Technologies:	HTML5, Java Script, XML, Bootstrap, JQuery, PHP, CSS, Servlet, JSP, AJAX, Typescript
Frameworks:	AngularJS, Node.js, Ionic, JUnit, Restful Web Services, BIB, Apache Cordova, Ruby on Rails.
Tools:	Jenkins, SonarQube, HPQC, Maven, Putty, GitHub, Redmine, SVN, Service Now, Git, SAS, Eclipse, NetBeans

Awards & Certifications

- Oracle Certified Professional Java SE 6 Programmer
- "On the Spot Award for Excellence" for developing Mobile app which helped TCS in winning ABN Amro Hackathon 2015

Professional Experience

University of North Carolina, Charlotte – Teaching Assistant   August 2016 -Present
- Teaching assistant for undergraduate level course 'Software Engineering' where my responsibilities include performing research, creating assignments, conducting exams, grading, analyzing class performance.

ABN AMRO – TCS - System Engineer   Jan 2014- Dec 2015
- Designed and developed a web portal for the testing team to show performance, availability of various environments of testing (UT and ET).
- **Implemented AngularJS** framework for GUI and was integrated with **JQuery** and **Bootstrap** for advanced features.
- Developed **REST** architecture and used **IBatis** framework to automate the mapping between **SQL** and **JAVA**.

Tata Consultancy Services -Trainee (Java, JSP, CSS, Servlet, Oracle 10g)   Sept 2013 - Dec 2013
- Designed a web-based solution for Auto Insurance for both registered users and employees
- Implemented functionalities using Hibernate and Struts 2

Academic Projects

Mobile Application for Nest device   Aug 2016 - Dec 2016
- Created a hybrid mobile application using Ionic framework to get the live video stream of Nest Cam through its API.
- Used MailGun API to send the notification(e-mail) to the user if any event is detected on Cam.
- Implemented this application using Domain Driven design.

Mail Order Catalog Retailer   Aug 2016 - Dec 2016
- Developed a predictive model with many deciding variables, historical purchase patterns and consumer behaviors.
- Performed RFM analysis on a CATALOG2010 data set to identify profitable customers for a mail order catalog.
- Predictive modeling implementation using decision trees and regression in SAS E-miner.

Data Analysis for Data Science Universities   Aug 2016 - Dec 2016
- Aim to provide display of statistical data of universities with Data Science programs to show growth in enrollment, program management and increment in program numbers.
- Programming conducted in R for conducting linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering.

Web-Based Application for Restaurant- http://akankshaavhad-akankshaavhad.rhcloud.com/akanksha_william_assignment4/ May 2016 -June 2016
- Developed a web application for a restaurant for ordering food online.
- JSP pages were created for User Interface and Bootstrap framework was used for responsiveness
- **Servlets** acted as a middle layer between database(MySQL) and **JSP**. Also, user can email the manager regarding issues which was implemented by Java Mail API and protocols SMTP, POP and IMAP were used.

QR based pizza ordering system - http://webpages.uncc.edu/aavhad   Jan 2016 -May 2016
- Developed a mobile application for ordering pizza based on QR code were user does contact less payment.
- Implemented the application with the help of **Ionic** framework, **Node.js** and **AngularJS** for UI designing.
- Used **Apache Cordova** for bar code scanner view and **JavaScript** for generation of QR code.

Database System: Online Parking System   Jan 2016 -May 2016
- An online application using HTML5; CSS3; JavaScript, PHP, MYSQL was developed which allows the user to book parking spaces in real time via a web portal.
- Implementation of advanced database concepts of Query optimization, triggers, indexing, constraints, for real-time response.

Analytical tools for Data preserving in Data mining   Aug 2011- Apr 2012
- Developed techniques for preserving the data for security purpose and still using it for Research and Product development.
- Implemented techniques such as k-Anonymity, Block Based and Perturbation using Java.