

AKANKSHA AVHAD

704.345.0672 | <https://www.linkedin.com/in/akankshaavhad> | avhad.akanksha12@gmail.com | <https://github.com/akankshaavhad>

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

AWARDS & CERTIFICATIONS

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

PROFESSIONAL EXPERIENCE

University of North Carolina, Charlotte – Teaching Assistant August 2016 -Present

- Graduate Teaching Assistant for 'Software Engineering' course where my responsibilities include performing research, conducting exams, grading, analyzing class performance and assisting them in building project based on **Ruby on Rails**.

ABN AMRO – TCS - Software Developer

Jan 2014- Dec 2015

- Designed and developed a web portal for the testing team to show performance, availability of different environments.
- Implemented **AngularJS** framework for GUI and integrated with **Jquery** and **Bootstrap** for advanced features.
- Created **API** using **REST** architecture with **JAXRS** and used **iBatis** framework to automate the mapping between **SQL** and **JAVA**.
- Worked in **Agile** methodology and reduced the time and efforts for the testing team by 30%.
- Strengthened secure code quality using SonarQube and AppScan

Tata Consultancy Services - Software Developer 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
- Generated quote and implemented functionalities using Hibernate, SQL, Servlets, Java, and JSP.

ACADEMIC PROJECTS

Mobile Application for Nest device

Aug 2016 - Dec 2016

- Created a hybrid mobile application using Ionic framework2 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 the display of statistical data of universities with Data Science programs to show growth in enrollment, program management and increment in program numbers using **R** programming language.

Web-Based Application for Restaurant- http://akankshaavhad-akankshaavhad.rhcloud.com/akanksha_william_assignment4/ May 2016 -June 2016

- Developed a web application for a restaurant to order food online and assist manager to allocate resources
- JSP pages were created for User Interface and Bootstrap framework was used for responsiveness.
- Servlets** acted as a middle layer between the database(MySQL) and **JSP**. Also, implemented special features like email service, carousel, dynamic table addition.

QR based pizza ordering system - <http://webpages.uncc.edu/aavhad>

Jan 2016 -May 2016

- Developed a hybrid mobile application for ordering pizza based on QR code where user does contactless payment.
- Implemented the application with the help of **Ionic** framework, **NodeJS**, 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.