

# Shashank Shivhare

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[github.com/shashank17hn/Projects](https://github.com/shashank17hn/Projects) [in linkedin.com/in/shashank-shivhare-5a12a67b](https://www.linkedin.com/in/shashank-shivhare-5a12a67b)



## Summary

- Experience in IT industry in Software Analysis, Design, Development, Testing, Deployment and Maintenance of Web using Java/J2EE technologies like Java, multithreading, JSP, Servlets, JDBC and XML/XSL.
- Experience in different phases of Software Development Life Cycle (SDLC) including Design, Implementation and testing during the development of software applications.
- Experience in developing and deploying applications using Web sphere Application Server, Tomcat, Web Logic and JBOSS.
- Experience in developing applications using three tier architectural frameworks such as MVC (Model View Controller) STRUTS, SPRING framework and Hibernate.
- Experience with Installing and configuring AWS cloud servers with Linux, Tomcat, MySQL, Apache No-SQL Database Mongoddb., etc.
- Design & implementing RESTful APIs, SOAP, WSDL, XSD, JSON, Web services and XML.
- Well versed with J2EE Design Patterns like Singleton, Factory, Front-Controller, Session Façade, Service-Locator, Data Access Object (DAO), Data Transfer Object (DTO), MVC (Struts), Business-Delegate.
- Experience using Front End Technologies such as HTML 5, CSS 3 JavaScript.
- Experience in developing desktop applications and Add-In for Microsoft Office.
- Created prototypes of the GUI environment using iRise.

## Work History

Math Equation Reader (ADD-IN) - VSTO

Aug 2015 - May 2016

**Thesis (Copyrighted) Link:** <http://gradworks.umi.com/10/10/10108922.html>

**Thesis DEMO Link: Link :** <https://youtu.be/0gdCHUmH3gM>

- Developed ADD-IN for Microsoft Word in Visual Studio 2013.
- To read aloud all types of math equations.
- Built a Prototype model in C#.
- Generated a Class to interact with Windows inbuilt functions and configuring shortcut keys.
- Generated different patterns and regular expressions.
- Used espeak class to synthesis the text to speech
- Implemented exception handling, logging of the errors and warnings messages to avoid from unexpected crash.
- To read aloud all types of math equations.
- The ADD-IN provide a simplicity which can give a big competition to existing Screen Readers like JAWS which uses MathML to read the math equations.
- **Environment :** Windows 10, Visual Studio 2013 Professional, C#, VSTO.

Software Programmer

Apr 2013 - May 2014

Tech Bizz Software and Web development LLP, Pune, India

- Developed and implemented software efficient algorithms.
- Designing prototypes for apps and websites.
- Used Spring and Struts MVC for Web applications.
- Worked on XML Technologies like XML Parsers, JAXB for binding data to java objects. Involved in writing of Web Services using SOAP, WSDL, deployment, configuration and testing.
- Simultaneously managing several databases and reporting tools.
- Performed designing, coding and testing of desktop and web applications.
- Worked with languages like PHP and Java as Backend.

## Certification

**Oracle Certified Associate, Java SE 7 Programmer**

Certification URL:

<https://www.youracclaim.com/badges/01cd0e2c-eb2c-40ce-9cbb-393331b82b7c>

**Code School Shaping up with Angular.js**

## Skills

Languages



Java, C/C++, php, .NET/ C#, python

Databases



MS SQL Server 7/8/9, MySQL, SQLite , Oracle, Mongo DB

Markup languages/ Script



Html 5, JavaScript, CSS 3 ,Angularjs, XML, JSON

Operating System



UNIX /Linux, WINDOWS, MAC and MS DOS

## Education

**California State University, Fresno**

Master of Science in Computer Science,  
GPA: 3.45 Aug 2014-May 2016

**Rajiv Gandhi Technical University, Bhopal , India**

Bachelor of Engineering in Computer Science, GPA: 3.83 Jun 2009 - Jun 2013

- HTML, CSS and JavaScript was used as Frontend.
- Involved in unit testing and testing of modules and deployment project into production servers.
- **Environment:** Java, Spring, Hibernate, Struts , Soap ,Windows 7, Linux/ UNIX, PHP, MySQL,PostgreSQL, HTML, CSS, JavaScript.
- **Projects :** Property Pointer Back End System , Bid Shipper Customer Service System

## Hospital Management Software

Jun 2013 - Aug 2013

### Freelance Project

- Developed patient appointment scheduling too using C# in Visual Studio 2010.
- Wrote SQL and stored procedures as part of database interaction.
- The application communicates with server to manage all working of hospital and linking hospitals data to the doctors and respective data to the patients.
- Algorithm and design was developed in such a pattern that every hospital of the city was linked with patient details using a paperless system.
- **Environment :** Windows 7, Visual Studio 2010 Professional, C#, SQL Server 2008.

## Ecommerce Website

Dec 2012 - Mar 2013

### Project

- Intended for buying and selling products over the internet.
- PHP was used as backend language.
- CSS, HTML and JavaScript was used as frontend.
- Wrote SQL commands to work with database. SQL Server 2008 was used to support database.
- Designing, implementing and supporting database development on an SQL server.
- Worked with Apache Tomcat 2.2 for server.
- Algorithm was developed to connect specifically people of a particular city for giving the chance to small entrepreneur.
- **Environment :** Windows 7, PHP, SQL Server 2008, HTML, CSS, JavaScript.

## Java Developer - Intern

Oct 2012 - Dec 2012

### Center for Research and Industrial Staff Performance CRISP

- Learned to develop an application from scratch.
- Used UI elements and understood the main architecture of an Android application.
- Indulge in the coding of the Android. An application which was developed using java in eclipse.
- Integrated camera with phone book, worked with all types of views.
- Integrated multiple systems to move data between layers of software stack.
- Conceptualized, designed, developed and deployed mobile applications.
- Wrote unit tests for mobile code and debugged critical application issues such as crashes.
- Tested code for robustness, executed edge case, usability, and general reliability analysis.
- **Environment:** Windows 7, Java, Eclipse, PostgreSQL.

## Dairy Management Software

Jan 2012 - Mar 2012

### Freelance Project

- Developed a desktop application using Java
- Wrote SQL Commands to manage database. SQL Server 2008 was used for the database.
- Algorithm was developed to manage the day to day activities on a dairy farm.
- The tool enabled streamlined purchasing and selling of products for a dairy farm.
- **Environment:** Windows 7, Java, JDBC, NetBeans, SQL Server 2008.

Details & References available on request.

Ready to relocate anywhere in the US if required at my own expense.

## Relevant Courses

Relevant Courses :Advance Software Engineering, Database, Advance Artificial Intelligence, Computer Networks, Data Structure, Network Management, Web Programming, Advance database, Human Computer Interaction.

## Honors/ Activities

- Awarded Dean's Scholarship, Fresno, CA, May 2015.
- Participated in C programming competition, Jabalpur, India, May 2010.
- 1st position in Science Exhibition, Jabalpur, India, Jan 2009.

## Other Experience

**Student Assistant** May 2015- May 2016

California State University, Fresno

- Assist with student admissions process.
- Managing confidential test records, fee waivers, etc.
- My supervisor adores my administrative and management skills.
- Worked in People-soft Environment