

## Deepak Sharma

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### Education:

**Northeastern University, Boston, MA**

**Sep 2015 - May 2017**

Master of Science, Information Systems

**Relevant Courses:** Web Development and Tools, Programs Structure and Algorithms, Application Engineering Development, Database Management and Database Design.

**Rajeev Gandhi Technical University, Bhopal, India**

**May 2008 - May 2012**

Bachelor of Engineering, Mechanical Engineering

### Technical Skills:

**Programming Languages:** Java, PL/SQL, Java EE

**Web Technologies:** Servlets, JavaScript, AJAX, jQuery, JSP, JSON, JSTL, JDBC, HTML5, CSS, XML

**Frameworks:** Spring MVC, Hibernate, Java Swing

**Database & Servers:** Oracle 11g, MySQL, Apache Tomcat Server 8.0.3

**Tools and technologies Used:** Eclipse, Microsoft Visual Studio 2010, MySQL Workbench, Tableau, PUTTY, NetBeans

**Operating Systems:** Linux, Windows

### Work Experience:

**TATA Consultancy Services, Mumbai, India**

**Feb 2013 – Jun 2015**

**Software Engineer, Product Alliance Group**

- Illustrated expertise in developing Web applications using Java EE and MS SQL Server database.
- Highly appreciated as a Module lead for a Java development project for which acclaimed as the TCS Gems Award.
- Integrated and tested the Java application modules, mentored the team and presented weekly progress reports.
- Performed corruption handling and patching activities for Oracle products which helped in achieving better performance efficiency by 40% and increased the ROI of the project significantly.
- Successfully managed Oracle 11g database of Product Alliance project and timely performed troubleshooting to resolve critical database and integration issues.
- Experienced in Working on projects based on web applications using Java Spring MVC framework integrated with the database using Hibernate ORM for data access.
- Actively performed performance tuning of all the database objects and the various scripts submitted for the deployment.

### Academic Projects

#### **E-Library**

- Designed and developed a secure and responsive web application for accessing books online.
- Effectively implemented encryption, interceptors, filters and session tracking techniques to ensure web application security.
- Features Implemented: Search using keywords, download & upload the books, notifications to the user.
- Technologies: J2EE, Spring MVC, Hibernate, JSP, HTML/CSS, Apache Velocity, Tomcat Server, JSTL, MySQL DB.

#### **Remote Health Care System**

- Developed an application to facilitate remote care of a person suffering from the pandemic disease.
- Features Implemented: Graphs to show patient's, File uploading to upload doctor's prescription, Email alerts to patient's family and dispenser, Image uploading, Speech to text conversion.
- Technologies: JDK 1.7, Java Swing, Java Mail API, Sphinx API, JFree chart API, DB4O, NetBeans 8.0.2

#### **Database for IoT Based SMART GRID Management**

- Designed system database for SMART GRID application to manage electricity supply and usage across the urban, suburban and industrial community.
- Features implemented: Tables (Transactional, Master Data and Temporary), Stored Procedures, Views, Triggers, Transactions, User Privileges, Subqueries and Joins, Back-up plan and Business Analysis.