

# MANOJ REDDY DUMPA

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## SUMMARY

- Four years of experience in the full software development life cycle building enterprise web applications utilizing Java SE, Java EE (JSP, Servlet, JSTL, JAX-RS, JPA), JDBC, REST API.
- Insightful knowledge of front end development technologies including HTML5, CSS3, Java Script, JQuery, AJAX, AngularJS.
- Experience with application frameworks and tools such as Spring Framework, Hibernate ORM, Jersey RESTful, Amazon web Services, Apache Maven, Tomcat, Jetty, Git (Github, Bitbucket) and Junit
- Knowledge of other programming languages namely Python, C/C++, Ruby and databases including PostgreSQL, Oracle 11G, Redis, MongoDB, DynamoDB.

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## WORK EXPERIENCE

### Vasudhaika Software Solutions Pvt. Ltd, Hyderabad

Software Design Engineer

MAR 2014 - JUL 2016

- Designed and implemented web application using RESTful web services (Jersey framework) and AngularJS.
- Designed and developed content module of product (Kalgudi) utilizing object oriented programming (Java) and design patterns.
- Built different types of queries to retrieve and manipulate data in both SQL(PostgreSQL, HSQLDB) and NOSQL (MongoDB, Redis, DynamoDB) databases.
- Crawling of over 80 websites and extracting the data needed for content module using Scrapy framework.
- Coordinating with other teams, fixing bugs and maintaining the product to ensure smooth delivery.

### Infowhiz Softech Pvt. Ltd, Hyderabad

Junior Software Analyst

JAN 2013 - FEB 2014

- Developed and maintained the front end functionality of websites.
- Wrote cross-browser compatible code using HTML, CSS, Java Script and JQuery.
- Designed prototypes for websites and applications.
- Rectified software deficiencies and providing technical support to end user.
- Documenting the progress of work and presenting it to the clients or users.

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## TECHNICAL SKILLS

Languages: Java, Python, C/C++, Ruby

Frameworks: Java EE, Spring Framework, Jersey RESTful, Scrapy Framework

Web Technologies: HTML, CSS, JavaScript, JQuery, AJAX, AngularJS

Databases: PostgreSQL, Oracle 11G, HSQLDB, MongoDB, Redis, Amazon DynamoDB

Others: Hibernate, Amazon AWS, Apache Maven, JUnit, Git, Apache Tomcat, Eclipse Jetty, Jenkins, Jira

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## EDUCATION

### Master of Science in Computer Science

SEP 2016 - MAY 2018

University of Massachusetts Lowell

### Bachelor of Technology in Information Technology

SEP 2008 - MAY 2012

Jawaharlal Nehru Technological University, Hyderabad

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## ACADEMIC PROJECTS

### Secure Messaging Services

Spring 2018

- Developed secure messaging application implementing AES Encryption, Diffie-Hellman key exchange algorithms.

### Autonomous Navigation With Turtlebot

Fall 2017

- The goal of project is to effectively navigate the robot autonomously in the world by avoiding obstacles.

### Occupancy Detection - Supervised binary classification

Spring 2017

- A Machine Learning project to predict room occupancy using sensor readings with 94% accuracy.

### Smart Lighting - IOT project using Raspberry Pi, MQTT and Amazon AWS

Spring 2017

- A Internet of Things(IOT) project for operating the lights of a home remotely using MQTT protocol.

### Producer-Consumer Problem in multiple hosts

Fall 2016

- Implemented Lamport Mutual Exclusion algorithm for solving producer-consumer problem in multiple hosts.

### Novel Defence Mechanism against Data Flooding Attacks in Wireless Ad-hoc Networks

Spring 2012

- A defence mechanism against data flooding attacks which cause denial of service by flooding on multimedia data.

### Task Management System

Fall 2011

- A tool of project management for assigning tasks to team members, keeping track of tasks and collaborating team members.