ALPANA POTHUKUCHI

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EDUCATION

Northeastern University   Boston, MA
Masters of Science in Information Systems   **May 2018**
Relevant coursework: Application Engineering Development, Algorithms and Data Structures, Web Tools and Methods, Engineering of Big Data Systems, Cloud Computing, Multithreading, Blockchain Engineering, Web design and User Interface

Osmania University   Hyderabad, India
Bachelor of Engineering in Computer Science   **May 2013**
Grade: First Class with Distinction
Relevant coursework: Software Engineering, Database Management Systems, Design and Analysis of Algorithms, Data Structures
Honors: "**Academic Excellence Award**" for achieving distinction in B.E during the academic year 2011-2012

TECHNICAL SKILLS

Programming Languages: JAVA, C/C++, R, C#, Go (beginner), Python
Web Technologies: HTML 5, CSS 3, JavaScript, AngularJS, jQuery, Bootstrap, SpringMVC
Big Data Ecosystems: Hadoop, MapReduce, HDFS
Databases: Microsoft SQL Server 2016, Oracle 12c, MySQL, MongoDB
Tools: MS Visio, MS Office, Git, JBoss application server
IDE: Eclipse, NetBeans, Visual Studio, Spring Tools Suite (STS), R Studio
Certifications: Microsoft certified HTML5 with JavaScript and CSS3 Programmer

PROFESSIONAL EXPERIENCE

Vestmark, Inc.   Boston, MA
Engineer Intern   **May 2017 – Aug. 2017**
· Designed stored procedures to identify the database deadlocks for financial transaction and helped to speed up the bug fix process by 80%
· Developed unit test coverage for the domain to test the various classes using JUnit 4 framework
· Increased proficiency by using Atlassian software management suite (Bamboo, JIRA, Confluence) and by being part of an agile, collaborative team environment

Yardi Software India Pvt. Ltd.   Pune, India
Software Programmer   **Nov. 2013 – July 2016**
· Designed tables (Relations), functions, stored procedures, views, and triggers and optimized the database performance as SQL developer
· Created and edited SQL scripts, Crystal and SSRS reports for client specific requirements and thus increased the customer software experience
· Developed JavaScript for front-end and client-side validations for user account information based on their business rules
· Designed web services and automated functionality to import and export data from centralized system to client system and vice versa over FTP location using internal .NET framework as a .NET developer
· Debugged the code and developed functionalities to generate the utility statements using baseline calculations, for military clients, thereby leading to a 2% increase in financial performance of the organization
· Documented, tested, and created or modified computer programs to enhance the functionality of Yardi products
· Received **client appreciation** for outstanding work in improving the performance of financial report by decimating the turnaround time from 5 minutes to less than a minute

ACADEMIC PROJECTS

Genetic Sudoku (Java)   **Sep. 2017 – Dec. 2017**
· Implementation of Genetic Algorithm to solve N*N sudoku puzzle, along with the unit tests using Junit4 framework

Fraud Claim Detection in Health Insurance (Java, DB4O)   **Sep. 2016 – Dec. 2016**
· Using IoT, the patient's health and treatment history is made accessible for the insurance company whenever there is a claim and based on the patient's data, an algorithm is implemented to calculate the fraud factor and alert the insurance agent before the claim is approved

Money Wizard website (Spring MVC, Hibernate, Javascript, AngularJS, BootStrap)   **Sep. 2016 – Dec. 2016**
· User can add and manage his own expenses, transfer funds to his friends and split the bills with his friends