

ALPANA POTHUKUCHI

(617)712-5581

alpana.pothukuchi@gmail.com

<https://www.linkedin.com/in/alpana-pothukuchi12>

<https://github.com/alpana12> | <https://alpana12.github.io>

EDUCATION

Northeastern University

Boston, MA

Master 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 (beginner), Scala (beginner)

Web Technologies: HTML 5, CSS 3, JavaScript, AngularJS, jQuery, Bootstrap, SpringMVC

Big Data Ecosystems: Hadoop, MapReduce, HDFS

Databases: RDBMS, Microsoft SQL Server 2016, Oracle 12c, MySQL, MongoDB

Cloud Platforms: Amazon Web Services, Google Cloud Platform

Tools: MS Visio, MS Office, Git, JBoss application server, TravisCI

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% in the reconciliation domain
- 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
- 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

User Profile Form (SpringBoot, Java8, AWS EC2, AWS RDS, AWS DynamoDB, TravisCI)

Jan. 2017 – Apr. 2017

- Developed website which enables user to enter their profile information along with a picture and it is accessible to everyone with the user url. Deployed the same on Amazon Web Services using required AWS technologies

Genetic Sudoku (Java)

Sep. 2017 – Dec. 2017

- Implemented 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

- Developed an application using IoT to keep track of the patient's health and their treatment history. This information 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

- Designed a responsive website (expense management) for users to add and manage his own expenses, transfer funds to his friends and split the bills with his friends