

UPASANA YADAV

Innovative and diligent Computer Science enthusiast looking to solve challenging problems in your firm through a Software Development opportunity.

Education:

MS in Computer Science,
New York Institute of Technology, NY

Sep 2015 – May 2017
GPA: 3.76

Courses: Algorithm Concepts, Programming Languages, Computer Architecture 1, Computer Networks, Theoretical Concepts of Computers and Computation, OS Security, Cloud Computing, Java Networking, Database Systems, Distributed Systems.

B.E in Information Technology,
University of Mumbai, India

Aug 2011 - Jun 2014
GPA: 3.6

Courses: Data Structures and Algorithms, Object Oriented Analysis and Design, Software Engineering.

Work Experience:

Software Developer, JAB Systems, Mumbai, India

- Developed user interfaces in HTML/CSS, JavaScript.
- Linked front end HTML web pages with back-end database (MS-SQL), communicated with clients to determine specifications, features and discuss business requirements.
- Assisted in developing the user interface for a variety of websites ranging from simple websites with basic layout to websites which had a more complex structure.

Projects:

Diabetic Patient Data Analysis: (WEKA, Python)

- Developed hypotheses to predict whether a patient will be readmitted using clustering/classification.
- Performed data cleaning by eliminating outliers, filling in missing values, binning & discretization.
- Performed classification by using J48 decision tree, InfoGainAttributeEval in Weka to classify data and construct model for prediction.

Discussion Board: (Java Spring, HTML)

- Created a Discussion board where users can post a topic and other users can comment/reply to it.
- Added the functionalities to remove old discussions automatically after a period, or to manually delete a discussion.
- Designed the front end in HTML and used Bootstrap to give simple yet beautiful look and feel.

Cache Simulator: (Java)

- Created a simulation of cache.
- Implemented Direct Mapped Block Placement strategy and Fully Associative Block Placement strategy for implementing cache simulation.



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Skills:

Languages: Java, C, C++, Ruby Racket, SML

Databases: MS Access, MS SQL Server

Web: HTML/CSS, JavaScript

Other: MS Office, Eclipse, NetBeans

OS: Windows, Linux, Mac OS

Certifications:

Java Certification

Other Activities:

- Member of Society of Women Engineers (SWE) and IEEE, NYIT.
- Volunteer, Technical Festival, University of Mumbai.
- 1st place, Treasure Hunt, University of Mumbai.

Application Shield: (Java, SQL)

- Developed intruder detection and prevention System for a Distributed Application.
- Created Graphical User Interface (GUI), organized database build up and managing connectivity.
- Tested in different scenarios about how system handles different attacks

Security in IMS (Internet Protocol Multimedia System): (OPNET Modeler, Java)

- Created a simulation of a network and demonstrated how data is transferred under normal circumstances.
- Attacked the system with a flood attack through a jammer and created a mechanism to defend the attack by the jammer.

Stock Management: (Visual Basic, Java)

- Constructed application to secure ornaments in jewellery shops using RFID tags.
- Conducted testing of transmitter and receiver behaviour, managed allocation of roles and responsibilities as project leader.
- Developed user interface and created connection of user interface to database.