Saurabh Joshi

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Education:

North Carolina State University, NC   *Aug '14 –May '16*
Master of Computer Science   **GPA: 4.00**
  Courses: Object Oriented Design and Development, Database Management Systems, Artificial Intelligence

University of Mumbai, Mumbai   *Aug '08 -May '12*
Bachelor of Engineering in Computer Engineering   **GPA: 77.7%**   Recipient of **Tata Scholarship** - 2010, 2011, and 2012.

Skills:

Programming Languages: Java, Ruby, Python, VB Script, C++, HTML, PHP
Database Management Systems: MySQL, Oracle
Certifications: **Oracle Certified Java Programmer** SE6- OCJP (95%), **IBM DB2** Certified Associate

Professional Experience:

J.P. Morgan Chase, *Technology Analyst, Investment Banking*   *Aug '12 –May '14*
- Developed infrastructure solutions and framework libraries that enable quick automation of large projects.
- My contributions enabled the team to switch to a cloud based test setup and leverage the facility of using multiple tools for testing.

E-Trading Systems (VB Script, UNIX, Python)
  - Developed a **Client Server** automation framework for the e-Trading team.
  - Contributed in developing libraries that enabled the testing tools to communicate via **Microsoft Message Queue**.
  - Developed framework libraries for automation that provided wrapper functions to the testing tools (QTP/Test Complete).

Automation Infrastructure (VB Script, Python)
  - Developed a mini application that enabled creation of **cloud** machines using Python and the ATC-cloud creation API.
  - Involved in setting up an **automated scheduler** that created cloud machines on a weekly basis.
  - Served as a single point of contact for debugging and managing all the cloud setup issues, in liaison with the support team.

Email Maker-Checker (Java)   *JP Morgan training, '12*
  -Developed an email content checker in Java, which detects inappropriate email content and grades the email as risky or safe.

Academic Projects:

Rubric Specialization (Ruby on Rails, MySQL, Code Climate, GIT)   *NCSU, Nov '14*
  - Developed the rubric specialization module for the **open source** peer evaluation system Expertiza.
  - Module will enable an instructor to gather a detailed and more meaningful feedback via peer evaluation.
    Github Repository: https://github.com/sjoshi6/expertiza

Simple-DB (Java)   *NCSU, Nov '14*
  - Implemented the G-clock replacement policy for buffer management.
  - Modified the Recovery Manager and Log Manager to perform a block level recovery of data after a system crash.

Dire Wolf- Job Application Portal (Ruby on Rails, MySQL, GIT)   *NCSU, Sep '14*
  - Developed a portal that allows a job seeker to search for jobs on the basis of tags, and apply to the same.
  - Implemented a recommendation system that provides relevant job suggestions on the basis of previously applied jobs.
    Project Link: *gentle-chamber-5910.herokuapp.com*

Course Assessment System (MySQL, PHP, Database Normalization)   *NCSU, Sep '14*
  - Developed an online system to manage course quizzes and evaluations.
  - The system has a feature that randomizes the question set for each student to keep the quizzes unique.
  - The system provides the instructor with statistics about student performance and allows him to manage their grades.
    Project Link: http://project-ncsu-database.netai.net/gradiance/

Steganography using Image Processing (MATLAB, Java)   *Fr. C.R.C.E, Apr '12*
  - Implemented an algorithm, which combines Image Processing with S-DES to securely embed large volumes of data in an image.
  - Publication: http://research.ijcaonline.org/volume53/number5/pxc3881319.pdf)

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