

Saurabh Vishwas Joshi

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Objective

Seeking opportunity for an **Internship** as a Software Engineer, to utilize and develop my programming and analytical skills.

Education

North Carolina State University, NC

Aug 2014 –May 2016

Master of Computer Science

Current Courses: **Object Oriented Design and Development, Database Management Systems, Artificial Intelligence**

University of Mumbai, Mumbai

2008 - 2012

Bachelor of Engineering in Computer Engineering

Honors: 77.7% (0-100), Ranked 4th amongst 72 students, Recipient of **Tata Scholarship** – 2010, 2011, and 2012.

Related Courses: **Object Oriented Development, Data Structures, Algorithms, Database systems**

Skills

Programming Languages: Java, Ruby, Python, VB Script, PL/SQL, HTML, PHP

Database Management Systems: MySQL, Oracle

Certifications: Oracle Certified Java Programmer SE6- OCPJ (95%), IBM DB2

Professional Experience

J.P. Morgan Chase, Technology Analyst, Investment Banking

2012 –2014

Projects

Dire Wolf- Job Application Portal (Ruby on Rails)

NCSU, 2014

- 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.

Skills learnt: MVC style, GIT-version control, Refactoring, and Unit testing

Project Link: gentle-chamber-5910.herokuapp.com

Course Assessment System (MySQL, PHP)

NCSU, 2014

- Developed an online system to manage course quizzes and evaluations. The system has a feature that randomizes the question set for each student thus keeping the quizzes unique.
- The system provides the instructor with statistics about student performance and allows him to manage their grades.

Skills Learnt: Database Normalization, GIT-version control

Project Link: <http://project-ncsu-database.netai.net/gradiance/>

Refactoring Expertiza System (Ruby on Rails, Code Climate)

NCSU, 2014

- Refactored the Response Controller module by detecting code smells and fixing them by following the Ruby Style Guidelines.

E-Trading Systems (VB Script, UNIX, Python)

JP Morgan, 2012

- Developed automation scripts for e-Trading systems by following the cross tool architecture.
- Developed generic framework libraries for automation that provided wrapper functions to the testing tools.

Role: Stream Owner

Skills learnt: Designing Test Architecture, Stakeholder communication, Delivery planning, Domain knowledge.

Email Maker-Checker (Java)

JP Morgan training, 2012

- Developed an email content checker in Java, which detects inappropriate email content and grades the email as risky or safe.

Steganography using Image Processing (MATLAB, Java)

Fr. C.R.C.E, 2012

- Implemented an algorithm, which combines Image Processing with S-DES. Used multiple combinations of spatial and frequency domain operations to increase the volume of data that can be securely embedded in an image.
- Tested the results of operations for the most stringent and commonly known Image Degradation attacks.

Database Management System for Computer Society (Visual Basic, MS Access)

Fr. C.R.C.E, 2010

- Developed a Database Management System for the Computer Society of Fr. CRCE for recording participant lists and expense tracking.

Publications

- Published a research paper in the International Journal of Computer Applications titled 'Image Steganography Combination of Spatial and Frequency Domain'. (<http://research.ijcaonline.org/volume53/number5/pxc3881319.pdf>)