POOJA SHAH

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Rochester Institute of Technology, Masters in Computer Science, Rochester, NY	**GPA: 3.73/4.0**	**Expected: Dec. 2017**
Mumbai University, Bachelor of Engineering in Information Technology, India	**Percentage: 80.1/100**	**May 2013**

SKILLS:

Languages: Java, SQL, Python, C, R, C#
Databases: Oracle 10g, PostgreSQL, MS Access, Firebase, MySQL, MongoDB, Teradata
Web Technologies/Frameworks: HTML5, JavaScript, CSS3, Node JS, Angular JS, jQuery, JSP, Servlet, Spring, Hibernate, Bootstrap
Operating Systems: Windows, Linux, UNIX
Applications IDE: Eclipse, PyCharm, SQL Developer, pgAdmin, Brackets, Bugzilla, Weka, Git, Visual Studio Code, Pentaho, SAS, Tableau

WORK EXPERIENCE:

GRADER, ROCHESTER INSTITUTE OF TECHNOLOGY, ROCHESTER, NY   **Aug. 2017 – Present**
- Help and guide the students in Foundations of Cryptography and Big Data Analysis course and grade students' homeworks.

SOFTWARE ENGINEER INTERN, PAYPAL INC., SAN JOSE, CA   **May 2017 – Aug. 2017**
Project: Merchant Marketing Platforms (Node JS, Selenium Web driver, Javascript, Appium, NemoJS)
- Contributed to development and execution of selenium web driver functional tests which helps in running daily regression on staging environment.
- Developed functional tests scripts for mobile testing using Appium web driver.
- Contributed to migration of the functional tests written using selenium web driver to NemoJS.
Project: CustomerVoice (Python, NLTK, Teradata, Java, Stanford Libraries, Tableau)
- Developed the project to analyze the feedback given by customers about PayPal and identifying the most common phrases used.
- Contributed to viewing the results on Tableau dashboard.
- Contributed to the automation of running the program on daily basis on Jenkins.

LAB ASSISTANT, ROCHESTER INSTITUTE OF TECHNOLOGY, ROCHESTER, NY   **Aug. 2016 – May 2017**
- Assist students in the labs and oversee the functioning of computer software and hardware in computer labs.

GRADER, ROCHESTER INSTITUTE OF TECHNOLOGY, ROCHESTER, NY   **Aug. 2016 – May 2017**
- Help and guide the students in Introduction to Cryptography and Advanced Object Oriented Programming course and grade students' assignments and online discussions.

SOFTWARE DEVELOPER INTERN, SKYSCAPE INC., BOSTON (NORTHBOROUGH), MA   **May 2016 – Aug. 2016**
Project: Buzz (Node JS, Angular 2 CLI, HTML5, CSS3, JavaScript, jQuery, Bootstrap 3, Firebase, REST API)
- Contributed to the development of real-time, cloud based communication platform for communication between medical personnel such as doctors, nurses, medical students and other staff.

ASSISTANT SYSTEMS ENGINEER, TATA CONSULTANCY SERVICES LTD., MUMBAI, INDIA   **Aug. 2013 – Jun. 2015**
Project: Tata Communications Ltd. (C, UNIX, Oracle, PostgreSQL)
- Implemented functional changes in existing modules (built in C) of Tata Communication Mediation System.
- Developed new module that loaded audio conference data into Oracle database and derives additional fields for billing.
- Developed Archie system where old data was archived and retrieved by client to resolve customer disputes.
Project: iNeo+ (Spring, Hibernate, JSP, Servlets, JavaScript, jQuery)
- Developed various modules such as partner servicing, smart search, application tracker, etc.

PROJECTS:

Analyzing Lyme Disease Help-Seeking in Social Media: (Anaconda Python, Ubuntu, Splinter, MongoDB)   **Aug. 2017 - Present**
- Currently working on scraping of the Lymenet website and analyzing Lyme disease in social media.

T9 Messenger Prediction: (C#, .NET, Visual Studio 2017)   **Mar. 2017**
- Implemented a non-predictive and predictive T9 Keypad UI using WPF, complying to MVVM design pattern.

Mining User Intents to Compose Services: (Java, Eclipse BPEL Designer)   **Jan. 2017 – May 2017**
- Developed a mining tool to extract user goals from user's text and automate the selection of web services from a list of ProgrammableWeb APIs.
- Developed a composed service from a list of selected web services by using BPEL designer.

Crime Analysis and Prediction: (R, Weka, Tableau)   **Sep. 2016 – Dec. 2016**
- Analyzed crime trends at San Francisco and building prediction model to predict the safety level of a particular area.

Development of data warehouse: (Pentaho, Excel, MySQL)   **Oct. 2016 – Dec. 2016**
- Developed a data warehouse where the data is extracted from various sources such as TPCE, TPCW, PEC.
- Cleaned the data by removing inconsistencies and transformed the values into consistent format before loading into a data warehouse.

Mining Tool for Educational Purposes: (VB.NET, MS Access)   **Jan. 2013**
- Developed mining tool that helps evaluate student texts from quality point of view and accelerate assessment process.
- Implemented tool that highlights important sentences in digital word document and represented a graphical analysis.

Smart Monitoring: (Visual Basic, Winsock Programming)   **Mar. 2012**
- Project developed for "International Oracle Think Quest Competition-2012".
- Implemented Audit Trail feature to periodically log employee's activity in form of snap shots and key strokes.
- https://www.youtube.com/watch?v=-tETvjfb49g

PUBLICATIONS:

- Published Research paper "Mining Tool for Educational Purposes" in "International Journal of Advanced Research in Computer Science and Software Engineering", September 2013 Publication. (http://ijarcsse.com/9_September2013.php)
- Published Research paper "GPS Aided Photo Search System (iGAP)" in "International Journal of Advanced Research in Computer Science and Software Engineering", December 2014 Publication. (http://www.ijarcsse.com/12_December2014.php)