

Iftekhhar Ahmed

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Summary:

To obtain a position where my technical and communication skills can be utilized for mutual growth and success. Followings are the brief overview of my qualifications and skills:

- My research focuses on identifying ways to combine testing, static analysis and machine learning to come up with better tools and techniques for developers and analysts. So far, my work has identified 2 bugs in the Linux kernel and 5 gaps in one of the kernel modules test cases.
- Another facet of my research is applying different machine learning techniques for solving software engineering problems, specifically using machine learning for evaluating project, people and process characteristics that are most useful in predicting bugs in the software. For this purpose, I mine large number of open source software repositories and apply different supervised classification and regression techniques.
- Highly Competent with Python, PHP and Unix shell scripting.
- Experienced with database design, development and data modeling on various dbms like Oracle, SQL server and Mysql.
- Experience in developing and managing high capacity distributed applications.
- Ability and willingness to take ownership of tasks. Ensuring the projects are completed on time and within the budget.
- Excellent ability to work in a team environment.

Education:

PhD, Computer Science, Oregon State University, Corvallis, OR, Expected graduation date: June 2018

PhD Focus Area: Software Engineering with minor in Statistics.

B.S., Computer Science and Engineering, Shah Jalal University of Science and Technology, Sylhet, Bangladesh

Graduation date: April 2007

Current/Completed Graduate School Projects, EECS, Oregon State University, Corvallis, OR

- Developed automated file backup system using reinforcement learning implemented in Matlab.
- Developed intelligent music recommendation system using Matlab.
- Applying different classifiers for categorizing commit messages in different Open Source projects.
- Developed process automation tools using Python for integration between SQL server, Oracle and Salesforce.
- Designed and Developed Android mobile application for integrating GAE cloud using java.
- Developed Chef cookbook for Mellanox Openstack plugin on CloudX platform.

Relevant Courses

- **Major Graduate Level Courses:** Machine Learning, Intelligent Agents, Artificial Intelligence, Mobile and Cloud Software Development, Human Factors of Programming Languages
- **Major Undergraduate Level Courses:** Object Oriented Programming with JAVA, Operating Systems, Software Engineering, Algorithm design and analysis, Computer Peripherals and Interfacing, Management Information System, Computer Networking, Database systems.

Work Experience:

Teaching Assistant/Summer Instructor, Computer Science Department, Oregon State University, OR Duration: September 2011-Ongoing

- CS 361 - Software Engineering I and II
- CS 440 - Database Management Systems
- CS 261 - Data Structures

Senior Executive, Operations/Technology, Grameenphone Ltd., Dhaka, Bangladesh Duration: May 2008-August 2011

- Developed distributed mobile Commerce Ticketing solution using jsp and oracle on UMB interface.
- Web Based mobile airtime recharge application using php and oracle.
- Operational developments for automation using shell scripting.
- End to End system requirement analysis and finalization of Mobile Commerce solutions.
- Developed Website Scrapping and Data Extraction tool using php.

System Engineer, IT Operations, Grameenphone Ltd. Dhaka, Bangladesh, Duration: June 2007-May 2008

- Developed Issue tracking system for efficient support service for IT helpdesk engineers using php and mysql.
- Analyze system logs and identifying potential issues with computer systems, perform regular backups.
- Design and develop processes for increasing internal customer satisfaction.

Knowledge & Skills:

- **Programming languages:** Python, Matlab, SQL, R
- **Scripting languages:** PHP, JSP, Shell scripting, Apex
- **Machine learning toolkit:** Weka, scikit-learn
- **DBMS:** Oracle, Sql server, MySQL, SQLite
- **Automation tools:** Sikuli
- **UX Skills:** User Studies, focus groups, Prototyping, Paper mock up, Interviews, Survey, Persona building, Heuristic evaluation.

Trainings:

- CCNA training
- Redhat Certified Engineer training (RHCE)
- Oracle certified administrator training

References:

Furnished upon request.