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SAIFUL ABU

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PROFILE

- Have more than 2 years of industry experience.
- Received BS and MS(Expected July) Degrees in CS.
- Worked as a teaching assistant for about a year.

EDUCATION

UTEP. M.S. in Computer Science(Expected July 2016). GPA: 3.8.
Thesis Title: Customer's Electricity Demand Prediction in PowerTAC competition Using Machine Learning.
BUET. BS in Computer Science (Awarded April 2012).

INDUSTRY EXPERIENCE

Software Engineer   **Mir Technologies**   **August 2013 – June 2014**

Designed an VoIP dialler app for iOS by analyzing an existing android app. Extracted and adapted reusable components of the existing app to implement the iOS app. Collaborated with customers, server-side developers and client-side developers of other platforms. Objective-C, C++.

Software Engineer   **Hi-Tech Bangla, Inc**   **June 2012 – July 2014**

Gathered software requirements by collaborating with the customers. Designed the product following Object Oriented and Design Pattern principles. Managed group meeting regularly to keep team members up to date with the progress. Presented update to the customer at regular intervals. Java.

Intern Software Engineer   **Structured Data Systems Limited**   **December 2011 – June 2012**

Decremented power consumption by smartly controlling GPS, fixed bugs, added functionalities to an existing android app. Java.

OTHER EXPERIENCES

Teaching Assistant   **CS Department, UTEP**   **June 2015 - Present**

Managed lab for a course that required the students to implement data structures and algorithms using Java.

Research Assistant   **IASRL, UTEP**   **June 2015 - Present**

Developed data driven electricity prediction component for smart grid related international competition, PowerTAC. Was able to reduce the prediction error from 70% to on the average of 30%. Java, Spring framework, Weka.

Research Assistant   **ISG, UTEP**   **August 2014 - May 2015**

Developed necessary tools to collect data, analyze it and visualize results to figure out how actions affect prosody. Matlab, Linux shell scripts, C#, Java.

PROJECTS

- **Phone Based Coffee Ordering System** (2015). An automated system that receives the phone call of a customer,gives them a menu, takes order from them and notifies the authority. PHP, MySQL, VXML.
- **Automated Poker Playing Agent** (2015). A successful poker playing agent (first place) for the tournament of Artificial Intelligence class. Java, Breadth First Search, Dijkstra's algorithm.
- **Tomasulo's Algorithm Simulator** (2016). System architecture level instruction execution simulator. C.

SKILLS

- Java; C++; C; Objective-C; SQL.
- Eclipse; XCode; Visual Studio.
- Windows; Mac OS; Linux.