linkedin.com/in/saifulabu github.com/saifulAbu

**S A I F U L A B U**

**EDUCATION**

(915) 253-2866 [sabu@miners.utep.edu](mailto:sabu@miners.utep.edu)

**MS in Computer Science**. The University of Texas at El Paso (UTEP). GPA: **3.83** (August 2016).

**Thesis Title:** Forecasting Customer Electricity Load Demand In the Power Trading Agent Competition Using

Machine Learning.

**BS in Computer Science**. Bangladesh University of Engineering and Technology. GPA: **3.54** (April 2012).

**EXPERIENCE**

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

• Designed a VoIP dialer app for iOS by analyzing an existing Android app.

• Improved voice quality of the app by using a proper audio framework.

• Collaborated with customers, server-side developers, and client-side developers of other platforms.

• Objective-C, C++.

**Software Engineer Hi-Tech Bangla, Bangladesh June 2012 – July 2013**

• Developed a complex radar simulator for the Bangladesh Air Force.

• Increased team performance by introducing version control and selecting appropriate technology.

• Collaborated with the customers for requirement analysis and presented software updates.

• Java, C++.

**Intern Software Engineer SDSL, Bangladesh December 2011 – June 2012**

• Fixed rapid battery consumption problem of an Android device by optimizing an existing app.

• Added new functionalities to the existing app.

• Java, Android.

**PROJECTS**

• **Electricity Demand Predictor** (2016). Developed machine learning based electricity demand predictor. Im- proved prediction accuracy from 31% to 13%. Java, Weka, Spring Framework.

• **Enigma Simulator** (2016). Developed World War II cryptographic device simulator. Hobby project. Java.

• **Healthy Work** (2016). Developed a smartwatch app that helps prevent injuries caused by repetitive computer usage. Hobby project. C++, Pebble smart watch platform, Pomodoro principle.

• **Automated Poker Playing Agent** (2015). A successful poker playing agent (first place) for the tournament of Artificial Intelligence class. Java, Breadth First Search.

• **Phone Based Coffee Ordering System** (2015). An automated system that receives the phone call of a cus- tomer, gives them a menu, takes order from them and notifies the vendor. PHP, MySQL, VXML.

• **Tomasulo’s Algorithm Simulator** (2015). System architecture level instruction execution simulator. C.

• **Safe Browser** (2011). Developed a browser that prohibits websites with adult content. Naive Bayes, C#.

**SKILLS**

• Java; C++; C; Objective-C; Python; SQL.

• Eclipse; Xcode; Visual Studio.

• Windows; MacOS; Linux.

• Weka, Matlab, Git.

**OTHER EXPERIENCE**

**Organaizer Create, Compete, Contribute April 2016 - Present** Created and managed a programming club to motivate students to participate in competitive programming and open source projects.

**Teaching Assistant CS Department, UTEP June 2015 - Present** Managed an average of 60 students per semester for the lab section of the “Data Structures and Algorithms” course using Java.

**Research Assistant CS Department, UTEP August 2014 - Present**

Developed electricity demand predictor as part of MS thesis.