
PROFILE

- Have more than 2 years of industry experience.
- Received BS and MS(Expected July) Degrees in CS.
- Have experience with diverse platforms.

EDUCATION

UTEP. M.S. in Computer Science(Expected July 2016). GPA: 3.8.

Thesis Title: Energy 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
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- 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.
- Communicated with the customers regularly to troubleshoot problems of the newly created app.
- Took part in bug fixing of the server side code and encryption implementation with server developers.
- Worked with the developer of windows phone to develop a similar dialer app for windows phone.

Software Engineer	Hi-Tech Bangla, Inc	June 2012 – July 2014
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- Gathered software requirements by collaborating with the customers.
- Conveyed the software requirements to the team members.
- Took part in researching possible solutions, designing and implementing the product.
- Managed group meeting regularly to keep team members up to date with the progress.
- Presented update to the customer at regular intervals.

Intern Software Engineer	Structured Data Systems Limited	December 2011 – June 2012
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- Improved battery life of android device by intelligently managing GPS from an app.
- Fixed bugs, added functionalities to the existing android app.

OTHER EXPERIENCES

Teaching Assistant	CS Department, UTEP	June 2015 - Present
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Managed the lab section for the course Data Structures and Algorithms. Instructed and graded an average of 60 students each semester. Used electronic platform to reach more students having similar problems. Provided the course instructor with feedback at regular intervals.

Research Assistant	IASRL, UTEP	June 2015 - Present
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Worked on a team project to participate in an international competition, PowerTAC. Developed electricity prediction component using machine learning techniques that reduced the prediction error from 70% to on the average of 30%.

Research Assistant	ISG, UTEP	August 2014 - May 2015
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Developed necessary tools to conduct research and visualize results to figure out how actions affect prosody. The result revealed dominant dimensions that describe the research question.

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.
- English; Bangla; Hindi(Spoken).