# Mohammad Tariqul Islam

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**OBJECTIVE**

A challenging environment where I can be part of developing state of the art technologies.

**EDUCATION**

Bangladesh University of Engineering and Technology (BUET)
Bachelor of Science (Engineering) - Ongoing
Major: Communication Engineering
Minor: Electronics Engineering
C.G.P.A. 3.97/4.0 (for seven of eight semesters)

**COMPUTER SKILLS**

Programming Languages: C/C++, MATLAB, Python (numpy), Assembly (MIPS, Intel 8086), Javascript
CAD Tools: Cadence Suit, PSpice, PSIM, Proteus

**UNDERGRADUATE THESIS (ONGOING)**

**Deep Learning for Visual Recognition**
Under the supervision of,
S. M. Mahbubur Rahman, Ph.D.
Professor
Department of EEE, BUET

**SELECTED PROJECTS**

**Heart Rate Monitoring During Physical Exercise Using Wrist-Type Photoplethysmographic (PPG) Signals**
September 2015 - February 2015

This was a problem specified by the IEEE SP Cup 2015. We used digital signal processing techniques like adaptive filtering and sparse spetrum methods to solve the problem. The project was supervised by Dr. Celia Shahnaz, Professor, Department of EEE, BUET.

**Battery Energy Storage with an Inverter that Mimics Synchronous Generators**
August 2014 - June 2015

It's an electronic inverter as well as a grid connected system that mimics the operation of a synchronous generator supplies power to the grid. We designed it using Full Bridge topology for DC-DC conversion and H-Bridge for DC-AC conversion. There was a separate step down buck converter to charge the Battery. The project was supervised by Dr. Md. Ziaur Rahman Khan, Professor, Department of EEE, BUET for IEEE IFEC 2015.

**VOLUNTEER EXPERIENCE**

**Organizing BCC-IEEE TECH FIESTA 2014**                    July-Winter, 2014

As part of organizer team, I performed duties as Sponsor Correspondence. I also managed the online registration process of the participants. Later, I designed the certificates that were distributed. I also managed the social media content creation throughout the duration of the program.

**Webmaster**                                                        Summer 2015-

I manage the IEEE BUET Student Branch's website. Besides that, I write articles for the website.

**HONORS AND AWARDS**

5th Position in IEEE SP Cup 2015
Best Educational Impact Award in IEEE IFEC 2015
Champion in International Robotics Challenge 2013-2014, Bangladesh Country Round
Three times on Dean's List of Distinguished Students
Two Times Recipient of University Excellence Scholarships
Recipient of Talent Pool Scholarship in Primary and Junior Levels

**EXTRACURRICULAR ACTIVITIES**

Executive Committee Member of IEEE BUET Student Branch (April,2015-)
Quizzer, Dhaka Residential Model College (2007-2009)

**REFERENCE**

On Request.