



# Afsana Hoque Chowdhury

1804 Gorman Street | Raleigh, NC 27606  
984-500-9055 | ahchowdh@ncsu.edu

## Education

- **North Carolina State University**  
B. S. in Electrical and Computer Engineering (Dual Degree)  
Anticipated Graduation: May 2018  
CGPA: 4.00/4.00
- **Bangladesh University of Engineering and Technology**  
B. S. in Electrical and Electronic Engineering  
Transfer Date: August 2015  
CGPA: 3.90/4.00

## Work Experience

### *NSF FREEDM Systems Center, Raleigh, NC*

Undergraduate Researcher | May 2016 – Present

- Create load profiles which can be used as testbench in Home Energy Management Systems project.
- Built a visualization of ExoGENI-WAMS testbed in Matlab where a user can have an experience of working in actual testbed.
- Recently assigned to HVAC project.

### *North Carolina State University, Raleigh, NC*

Teaching Assistant | February 2017 – Present

- Course: Fundamentals of Logic Design

### *Target, Cary, NC*

Sales Person and Cashier | July 2015 – October 2016

- Provided friendly service to guests by acting quickly to resolve their concerns in person and over phone, delivering accurate product placement, pricing and labels.

## Leadership and Volunteer Experience

- › *FREEDM Student Leadership Council*  
Student Life Committee Member | January 2017 – Present
- › *World Congress of Global Partnership for Young Women, Seoul, Korea*  
Representative of Bangladesh | August 2014
- › *Bangladesh University of Engineering and Technology*  
Class Representative | May 2012 – January 2015
- › *Badhan (A blood donation agency), BUET Zone, Bangladesh*  
Organizing Secretary | May 2012 – Present
- › *Murcchona (A cultural organization), BUET Zone, Bangladesh*  
Organizing Secretary | May 2012 – Present
- › *Women in Engineering, Bangladesh Congress*  
Volunteer | December 2013
- › *IEEE Student Branch, NC State University*  
Volunteer | September 2016 – Present
- › *State Energy Conference 2016*  
Volunteer | April 2016
- › *NCSU ECE Graduation Ceremony*  
Volunteer | May 2016

## Technical Skills

- ✓ **Language Experience:**  
Assembly, C, C++, Java, Matlab, XHTML, CSS, Verilog
- ✓ **Platforms:** Windows, Linux, Ubuntu

## Relevant Coursework

- Computer Systems Programming
- Object Oriented Programming
- Design of Complex Digital Systems
- Electromechanical Energy Conversion
- Microelectronics
- Solid State Device
- IC Technology & Fabrication
- Embedded Systems

## Honors & Achievements

- ◆ *Dean's List*, North Carolina State University
- ◆ *Dean's List*, Bangladesh University of Engineering and Technology
- ◆ *Publication: A.* Chowdhury. English subtitles and speaking skill, *InterTEXTS, Third Edition*, September 2016.