Md. Ashraf Ali

PROFILE

Seeking an Electrical & Electronics Engineering (EEE) internship position to utilize my core academic knowledge and micro and macro skills for enhancing my potential as a successful engineer both home and abroad.

CONTACT

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158/ka, Shyamoly PC Culture Housing, Mohammadpur, Dhaka

LinkedIn
linkedin.com/in/mdashrafali

Education

2015-2018	**American International University-Bangladesh**
	Dhaka, Bangladesh
	B.Sc. in Electrical and Electronic Engineering (EEE)
	CGPA : 3.48 out of 4.0
2012-2014	**Govt. Science College**
	Dhaka, Bangladesh
	H.S.C in Science
	GPA : 5.0 out of 5.0
2007-2012	**Begumgonj Govt. Pilot High School**
	Noakhali, Bangladesh
	S.S.C in Science
	GPA : 5.0 out of 5.0

Core Engineering Profile

- **Circuit Design**
  - Different Filter, Inverter, Amplifier, Rectifier design
  - Traffic Light Controller (TLC) with 555 Timers and Counters
- **PCB layout and designing**
  - Fire Alarming Circuit Design on PCB Board
- **C & C++ Programming**
  - Hostel Bill Management using C++ Programming
- **Microcontroller Programming (Arduino)**
  - RFID Based Door Lock System
  - Smoke and Gas Detector and Alarming System

Software Profeciency

- **MATLAB**
  - Power System Network One Line Diagram
  - Power Transmission Line Different Fault Analysis
  - Image Processing
- **AutoCAD**
  - Different Isometric and Orthographic Sketching
  - Drawing of Civil Plan of a Entire Floor
- **Proteus**
  - Design and Implement of Battery Percentage Indicator using LED
  - Design and Implement of Sound Level Measurement (dB)
- **PSpice**
  - Simulation of different logic gates
- **RETScreen**
  - Design a 5MW Grid-Connected Solar PV System
- **Homer**
  - Design PV-Wind-Diesel Hybrid System and different analysis using HOMER
- **Multisim**
  - Different electronics circuit simulations
- **DSCH**
  - Top-Down design of Comparators, Adder and Adder-Subtractors
- **Fritzing**
  - Circuit connection of prototypes for people who are not engineers
- **Adobe Photoshop**
- **Microsoft Office (Word, Excel, PowerPoint)**

Personal Details

Father's name	: Md. Rowshon Ali
Mother's name	: Hosneara Begum
Date of Birth	: 11th August, 1996
Marital Status	: Unmarried
Nationality	: Bangladeshi
Religion	: Islam
Permanent Address	: Village - Kocherchar Ward - 02 Union - 9 no. Dawlatpur P.Office - Hatirdia Upazila - Monohardi District - Narsingdi

Co-curricular Activites

Participated actively in arranging different cultural programs. Have played many football matches with school, college and university football teams. Also play cricket and badminton.

Major Projects

⇨ **Graduation Thesis-Project :**
IoT Based Secured Smart Parking System
A reservation-based vehicle parking system project. It's android app is to easily use for the searching parking slot and help the drivers to park their vehicles. With the help of this app, which is connected to the server, people can resurve the parking slot and save their valuable time for parking.

⇨ **16 bit Flash Analog-to-Digital Converter**
Flash Analog-to-Digital converters are the fastest way to convert an analog signal to a digital signal. Flash ADC's are ideal for applications requiring very large bandwidth, but they consume more power than other ADC architectures.

⇨ **Battlebot**
A remote-controlled armed and armored machines designed to fight in an arena combat elimination tournament.

⇨ **Home Automation**
A system with full security and controlling the home appliances using wireless communication as Internet from both inside and outside of home.

⇨ **Radar at home**
A microprocessor based project to detecting any object in small range.

Participation

⇨ Seminar on "Recent Trends & Developments In Renewable Energy and Smart Grids" (2018)
⇨ Seminar on "ROAD TO ERASMUS + SCHOLARSHIP" (2018)
⇨ IEEE workshop on "Basic of Robotics using Arduino Microcontroller" (2018)

Training

⇨ Microsoft Advanced Excel Course - Repto Education Center (2017)
⇨ Cisco Certified Network Associate (CCNA) (Running)

Awards

⇨ AIUB Engineering Jubilation Football Tournament Champion (2016)
⇨ CISCO IoT Hackathon 2018 (Top 20)

Memberships

⇨ The American Center Membership (2017)
⇨ IEEE Membership (2018)
⇨ IEEE Power & Energy Society Membership (2018)

Languages

Excellent written and oral competence both in English and Bengali.

References

Reference: 01
Prof. Dr. Md. Abdur Rahman
Associate Dean,
Faculty of Engineering
American International University-Bangladesh
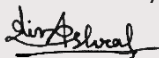Email : arahman@aiub.edu
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Reference: 02
Dr. Md. Mohiuddin Uzzal
Postgraduate Dept. Head,
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American International University-Bangladesh
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Certification : **"I certify that all information stated in this curriculum vitae (CV) is true and complete to the best of my knowledge."**

Yours Sincerely,

(Md. Ashraf Ali)