

Curriculum vitae

PERSONAL INFORMATION

Mahir Mahdee

📍 110 Lake Circus, Kalabagan, Dhanmondi (Bangladesh)

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WORK EXPERIENCE

01/11/2016-PRESENT

Facility Management Engineer & HR Executive

Consumer Knitex Limited - CMT BD (www.cmt.mu)

- Facility Management Engineer- Maintenance of Machineries in Utility & Production Sectors (Work related with generators, boilers, compressors etc.)
- International and Local purchase plus Tracking (supply chain management).
- HR – Posting Jobs, Screening CVs, Counselling interns and Arranging-Conducting interviews.

01/10/2016-30/10/2016

Training/Internship

Consumer Knitex Limited- CMT BD (www.cmt.mu)

- Tracking
- International purchase - supply chain management
- HR-Screening through CVs for potential candidates and arranging interviews

EDUCATION

11/01/2013–30/09/2016

BSc in Electrical and Electronic Engineering

American International University Bangladesh (AIUB), Dhaka (Bangladesh)

- Earned 145 Credits Included elective in “Power System Protection”, “Computer System Architecture” and “Biomedical Instrumentation and design”
- **Undergraduate Project and Thesis Title:** Single Phase Transformer-less Grid tied Inverter For Rooftop PV Application
- **CGPA: 3.91 on scale of 4**

01/01/2011-30/12/2012

Edexcel General Certificate of Education (GCE) A-Levels

Little Jewels School (LJS), Chittagong (Bangladesh)

- Grade: A, B (best two)

01/01/2009-30/12/2010

Edexcel General Certificate of Education (GCE) O-Levels

Little Jewels School (LJS), Chittagong (Bangladesh)

- Grade: A, A, A, A, A (best five)

RESEARCH EXPERIENCE

- 10/1/2016-16/8/2016 **Undergrad Final Year Project: Single Phase Transformer-less Grid Tied Inverter For Photovoltaic's Application**
- Background studies included existing PV systems and their prices, students' experiences in the implementation of cost effective energy conversion systems.
 - Designed and implemented low cost PV system for Academic use.
 - Implemented Transformer-less energy conversion system for power electronics lab at AIUB.
 - Undergrad project included a scientific written project book and a poster.

RESEARCH SKILLS

- LABORATORY WORK**
- Extensive knowledge in coding and analysing Microcontroller base Circuitry by the means of software 'Arduino'.
 - Strong command in handling laboratory equipments e.g. Oscilloscope, Signal generator etc.
 - Clear designing ideas of circuit and PCB schematics and layouts over PSIM and Proteus (Designed and Implement many different PCB blocks in Undergrad projects).
 - Skilled at single layer PCB fabrication and soldering.
 - Moderate knowledge on Simulink design and MATLAB coding.
 - Basic level skills on C++

CO-CURRICULAR EXPERIENCE

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|-----------------|--|-----------------|--|
| 02/2016-02/2017 | Social Media Executive
IEEE AIUB Student Branch, Dhaka (Bangladesh) | 01/2016-03/2016 | Executive Member
IEEE AIUB Student Branch |
| | <ul style="list-style-type: none">▪ Collaborated with other Student Branch and industries for different events and industrial tours.▪ Responsible for advertising all Student Branch activities through Social Media. | | <ul style="list-style-type: none">▪ Maintained Public relation with faculties and students about Branch activities and goals |
| 02/2016-02/2017 | Volunteer
IEEE AIUB Student Branch | | |
| | <ul style="list-style-type: none">▪ Worked with volunteers and Ex-com members in planning and implementing different events. | | |

PUBLICATION

A Novel of transformer-less Grid Tie inverter for Rooftop PV system (Journal)

AIUB Journal of Science and Engineering (AJSE Vol: 16, Issue:1, pp: 45-54)

Available at : <https://ajse.aiub.edu/Articles/Current-Issues/AJSE-Volume-16-Issue-1/AJSE-1616>

HONOUR AND AWARD

- “Magna Cum Laude” Academic Distinction Award for Bachelor of Science in Electrical and Electronics Engineering at 17th convocation 2017.
- Academic Honour (Deans Award) for securing “fourth place” among 180 groups for project/thesis for the year 2016 at AIUB.
- Undergraduate Scholarship, American International University Bangladesh (\$ 4900).

OTHER ACHIEVEMENTS

- Judge, “Children Science Congress ” | **September 2016**
- Achieved award of recognition from “TEDxAIUB” | **December 2015**
- Volunteered as a participant at international assessment for school from “The University of New South Wales” Australia and received honour of CREDIT | **August 2007**

MEMBERSHIP

- IEEE Student Member | **2015-Present**
- IEEE Young Professionals Member | **Present**

REFERENCE

**Fourth Year Supervisor in
Project/Thesis**

Dr. Md. Abdur Rahman

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Electrical & Electronic Engineering, AIUB.
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Engineering Education
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**Power System
Protection Course
Teacher**

Ahmed Mortuza Saleque

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