

Humayun Rahaman

M.Sc(Physics),M.Tech(Microelectronics & VLSI)

Permanent Address:

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➤ ABOUT ME :

To secure a suitable position in a company where I can learn and grow in the professional & personal front by being able to assist and work alongside the experienced members of the project group and being able to put my acquired knowledge & skills to use in problem solving whilst contributing to the company's mission to the best of my potential with a devoted and trustworthy attitude.

➤ PERSONAL DETAILS :

Father's Name : Habibur Rahaman
Date of Birth : 5th Dec 1992
Sex : Male
Religion : Islam
Nationality : Indian
Blood Group : "B" Positive / (B+)
Language Known : Bengali, English, Hindi.
Height, Weight : 176 cms, 56 Kg.

➤ ACADEMIC DETAILS:

Exam. Passed	Year of Passing	Board / University	Out of total Marks	Marks obtained	Percentage	Division
Madhyamik	2008	WBBSE	800	547	68.37	1 st
H.S.	2010	WBCHSE	500	252	50.04	2 nd
B.Sc.(PHY)	2014	TMBU	1500	913	60.86	1 st
M.Sc. (PHY)	2017	TMBU	1600	1231	76.94	1 st
M.Tech (Microelectronics & VLSI)	2019	MAKAUT [Main Campus]	2200	6.6 DGPA	66.00	1 st

➤ SKILL SET:

- PVSyst software
- Google sketchup
- Real-time Data Acquisition.
- Internet of Things (IoT).
- Design of Home solar system
- ON-Grid Solar system Design.
- Microcontroller/Embedded Systems: Arduino.

➤ **CERTIFICATION :**

- Basics of Quantum Mechanics -(IIT Kanpur)
- Design and Analysis of Algorithms -(IIT Madras)
- Home Solar Systems Design- Energy Swaraj Foundation
- Solar Water Pumping System- NISE Trainer
- Solar PV installation-NABCEP.
- Details Project Report of Solar PV System- KWatt Solution.
- Outlining of Solar DPR(Detailed Project Report)- KWatt Solution.
- Google Sketchup- KWatt Solution.
- National Science Day Quiz First position- MAKAUT
- Solar Based Micro Entrepreneurship- Energy Swaraj Foundation
- Quiz Competition on Solar System- Kissan Solar Education.

➤ **PROJECTS : M.Tech Final Year**

Title -. PV Panel Parameters Monitoring and Data Logger using Arduino with ESP8266

Abstract : There are Power Stations for Maintaining or Monitoring the Power Circuits or Parameters related to Solar Panel. Parameters like Voltage, Temperature, Light Intensity and Current, which are important to monitor. The Monitoring of these parameters are also important in Households too. The light intensity measured using light dependent resistor (LDR) sensor. The voltage was measured using the voltage divider because the generated voltage by the solar panel are large for the Arduino as receiver. These parameters as the input value for the Arduino and the output was display at the Liquid Crystal Display(LCD) screen. The LCD screen display output of the light intensity and voltage and the data upload to server and save to a local disk SD card.

➤ **TRAINING:**

Industrial Training on Solar Energy Technology at Geetanjali Solar Enterprise Pvt.Ltd, Kolkata.

➤ **ATTENDED SOLAR INDUSTRY WEBINAR CLASSES :**

- Advantage of Bifacial Modules and Upcoming Treand- ADANI SOLAR.
- Bifacial Module Technology with Transparent Backsheet- VIKRAM SOLAR.
- Bifacial Solar Design with NACEP- CANADIAN SOLAR.
- Innovative Approach to Assess Solar Plant Helth and the Role of Technology in Protecting Assets- JINKO SOLAR.
- Developing Bankable Solar Project- ADANI SOLAR.
- Floating Solar Photovoltaics- INTERNATIONAL SOLAR ENERGY SOCIETY & GLOBAL SOLAR COUNCIL.
- Battery Selection And System Sizing- NABCEP.

- Installation & Commissioning os Sunny Highpower PEAK1- SMA INVERTER
- Designing PV Plant with sunny high power Peak-3 –SMA
- Scaling up Solar Water Pumps in Asia and Africa- pManifold Business Solution.
- Solar PV as Emerging Technology for Sustainable Energy solution & Some studies on advanced Materials for Solar Cell Application – IMPS Collage of Engineearing and Technology.
- Details Project Report of Solar Power Plant -50KW --Kwatt Solution.
- Advances in Renewable Energy Generation in the World VIS India Perspective- MAKAUT
- Scope of Advanced Data Acquisition system in Industry and Academia—MAKAUT
- Sensor & Advanced Data Acquisition System- WBUT
- Relevance of Gandhian Environmentalism- Energy Swaraj Foundation.

➤ **WORKSOP ATTENED :**

- ASIC Design (IEST)
- Global Blockchain Congress (DITE-WB)
- Mobile Governance and Mobile Manufacturing (DITE-WB)
- Finance Technology Knowledge Workshop (DITE-WB)
- Internet of Things Knowledge Workshop (DITE-WB)
- Intellectual Property Rights On Innovation (MSIT)

➤ **CURRENT STATUS :**

- Loocking for Job in Solar Industry.
- Teaching and Learning Physics , Electronics, Solar PV Technology
- Gaining the ideas and the techniques how to make the teaching process more fruitful.
- Learner -Everything About Entrepreneurship

➤ **HOBBIES :**

- Innovation Idea ,Teaching, Scientific movie,

Declaration: All the above mentioned facts and details declared by me are true to the best of my knowledge.

Place : Malda

Date :

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Signature