Md. Emadul Hasan

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Career Objective

To continue my career in a well-reputed organization where I can enhance my experience and expertise by working with passion, skills, and responsibility.

Experience's

1. Date- 16th August 2021 – Till date
   Assistant Director, Walton Dig-Tech Industries Limited (Computer)
   Major Responsibilities:
   1. RM Sourcing for IT products and local PCBA products.
   2. Coordination of all Walton PCBA projects.
   3. Special Machine and tool sourcing.
   4. Walton PCBA product pricing.
   5. QC & Testing method define for PCBA products.
   6. Develop testing firmware for PCBA products.
   7. Fault detection of any customized IoT PCBA and provide necessary solutions.

2. Date- 7th September 2020 – 30th June 2021
   Embedded System Engineer, Department of R&D, Credosense Inc. Ltd.
   Major Responsibilities:
   1. Designing Schematics and PCB, assembly, quality check, Signal analysis for prototyping, and the final product.
   2. Research, analyze, and source internationally graded components for quality production.
   3. Calibration of sensors, fault analysis and provide the solution, equipment maintenance.
   4. Develop firmware and software (Desktop & Mobile App) to support embedded products.
   5. Troubleshooting hardware, firmware, and software.
   6. Working with communication protocols (CAN BUS, SPI, I2C, BLE, ESP NOW, UART, One-Wire).
   7. Develop products from scratch including power circuit, control circuit etc.
   8. Implement RTOS for dataloggers.

3. Date- 1st January 2019 – 30th August 2020
   IoT Engineer, E&E Department, InfoSoft valley Limited
   Major Responsibilities:
   1. Design and assemble electronic hardware for Smart Home.
   2. PCB Design and troubleshooting.
   3. Develop firmware and software to support Hardware products.
   4. Develop variable and fixed power supply for internal use.

Selected Publications/ Journals

1. **Md. Emadul Hasan**, Pallab Saha Vaskar, Md. Nur Amin Sajib "**Analysis of Data Communication between Microcontrollers**," American Journal of Engineering Research-AJER, Vol. 08, Issue-5, 2019.e-ISSN No: 2320-0847. P-ISSN No: 2320-0936.

2. **Md. Emadul Hasan**, Iftakher Mohammad, Pallab Saha Vaskar, Md Aktar Hossain "**Implementation of IoT in Automated Agricultural System**," International Journal of Scientific & Engineering Research-IJSER, Vol. 10, Issue-2, Page 976-980, February 2019. ISSN- 2229-5518

Education

Certificate	Board	Institution	Passing Year	Result
B.Sc. in EEE		American International University-Bangladesh (AIUB)	2018	3.64/4
HSC	Dhaka	Tejgaon College, Dhaka	2014	passed
SSC	Barisal	Subidkhali R, I Pilot High School	2012	passed

Professional Training

1. Cross-platform app development (Flutter Bootcamp)
   Institution: Udemy (London App Brewery)
   Duration: 10th December 2019 – 24th March 2020

Skills

Programming:

- ✓ Python 3 & PyQT
- ✓ Flutter & Dart
- ✓ C-Programming
- ✓ WordPress
- ✓ HTML 5 & CSS3
- ✓ Embedded C
- ✓ Processing (Arduino)

Simulation/Design Tool:

- ✓ Autodesk Eagle CAD
- ✓ Altium Designer 2021
- ✓ QT Design Studio
- ✓ AutoCAD 2007
- ✓ Multisim
- ✓ PSIM

Extra-curricular activities

Awards:

- ✓ Runners-up at C-programming contest in AIUB ENGINEERING JUBILATION-2018

Memberships:

- ✓ Member of AIUB COMMUNITY OF ENGINEERING STUDENTS (ACES)

Workshops:

- ✓ Attended a workshop on ' Implementation of fundamental circuits employing PSIM tool.'
- ✓ Attended a workshop on ' A hands-on training in MATLAB, from starting to the neural network.'

Personal Information

Father's Name: Md. Shah Alom Molla   Mother's Name: Helena Begum

Date of Birth: 01/12/1997   Nationality: Bangladeshi

Marital Status: Married   Religion: Islam

Gender: Male

References

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