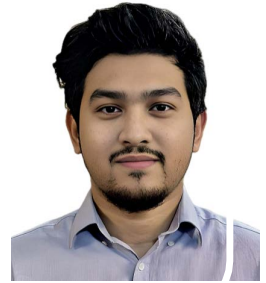


# FARAZ UL ISLAM



## CONTACT ADDRESS

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**Mobile No.** : +880-1601327299.

**E-mail** : [farazulislam@gmail.com](mailto:farazulislam@gmail.com).

**Google Site** : [sites.google.com/view/farazulislam](https://sites.google.com/view/farazulislam)

**LinkedIn** : [Faraz Al Islam | LinkedIn](#)

Creativity | Quick Learner | Analytical Skills | Data Analysis | Hardware Developer |

IT skilled | Tech solutions | Engineering Knowledge.

## CAREER OBJECTIVES

To achieve any challenging role, I am always willing to put my abilities to use to enable your business to flourish. I'm also interested in expanding my knowledge. In addition, I feel that my expertise and experience, and inventive thinking will be tremendously valuable to your company.

## EXPERIENCES

### Bio-Forge

Health Care system Ltd.

01/11/24 – 23/07/25

Full time - 8 months

Bangladesh

### Senior R&D Engineer - Instructor

We serve as a Senior R&D Engineer and Instructor, where I lead innovation and guide the next generation of technical professionals. My work focuses on researching and developing advanced solutions in electronics, bridging theory with real-world applications. As an instructor, I'm passionate about sharing expertise and fostering hands-on learning, ensuring that my students gain both foundational knowledge and cutting-edge skills. This dual role allows me to stay at the forefront of technology while empowering others to do the same. **partnering** with multiple departments to bring **fresh ideas to reality**. We got the opportunity to **innovate**, research industry trends, and help shape the R&D department's overall **strategic direction**. On be Half of my friend to train a new generation.

### Nielsen IQ.

Tracking inflation's

01/03/24 – 01/10/24

Home - part time

Saudi Arabia

### Survey specialist

Review survey maps and documents to assess technical accuracy and compliance with local, state, and federal property laws and tax regulations. In-house Data Capabilities, Access to Adequate Technology. **Numeracy** and the ability to make **mathematical calculations**, The ability to **understand and interpret data**, **Lateral and logical thinking**, Cutting-edge **IT skills and confidence** with new technology, **Problem solving and analysis**, **Attention to detail**.

### Khusheim Corp.

Industrial Equipment.

05/02/22 – 22/08/24

Full time - 2 years 6 months

Saudi Arabia

### Procurement Officer

Purchasing international marketing products, as well as keeping weekly sales data. In addition, **analyzing suppliers, products, and services, negotiating contracts, and ensuring that authorized purchases are cost-effective and of high quality are all tasks that must be completed**. Arranging & making Saudi **SABER process to import products**. Managing account of the company cash and other stuffs. Under my inspection and total purchasing of around **29.32M USD of Electrical Equipment's**. Also Processing payroll system and supporting other departments too. Communicate with international suppliers & analyze commercial situation and manage the company account services and vat calculations.

### Bio-Forge

Health Care system Ltd.

01/10/20 – 01/02/22

Full time - 1 years 4 months

Bangladesh

## Research & Developing Engineer (Hardware)

Assisting in the design and developing electronics IoT based for all hardware projects medical equipments at Bio forge. includes circuits, embedded system programming, and relevant R&D. Assisting in the researching, listing, budgeting, and purchase of some materials for projects. Team leads to developing annual plans for Bio forge. Researching and sharing the latest hardware technology developments. This will require engaging with the complex, technical and unfamiliar subject matter and may need working on a range of online learning tools.

### Bio-Forge

Health Care system Ltd.

01/06/20 – 29/09/20

Probation Period - 3 months

Bangladesh

## Hardware Engineer

I work as a Hardware Engineer specializing in the development of medical equipment, where precision and reliability are paramount. My role involves designing and optimizing electronic components and embedded systems that support critical healthcare functions. I focus on integrating technology that enhances patient safety, diagnostics, and treatment efficiency.

### Creative Dotx

Freelancer

01/01/21 – Onwards

Home Office

Bangladesh

## Develop & Design

I specialize in electronics development and graphic design, combining technical innovation with **creative** expression. My work in electronics includes **designing** and **optimizing** systems for performance and **reliability**, while my graphic design skills allow me to create visually compelling content that enhances user engagement and **brand identity**. This unique blend of engineering precision and artistic flair enables me to build products that are both functionally sound and visually **impactful**. This serves as both a side **source of income and my passion**.

### IEEE IAS IUB SBC

Industrial Application Society

01/01/20 – 21/02/21

Bangladesh

## Treasurer Industrial Application

Under my university IEEE organization working for industrial application society in online to make a good conduct for students during this pandemic situation, by organizing 5 **technical workshops**, Designed the way how we can achieve the best that the students are understanding what we delivered, For example: made a response & question pattern & sent it to participants to share their opinions & what they have gained. & also co-hosted & also took the feedback from every student via email. ([Dept. of EEE I Independent University, Bangladesh \(iub.edu.bd\)](#))

### Graphics Designer

IEEE IUB STUDENT BRANCH.

01/06/18 – 30/05/21

Bangladesh

## IEEE IUB SB & EEE Dept. IUB

Regarding planned **seminars, webinars, workshops, and other events**, I designed every **banner and card**. All of the **video recordings were also edited** and uploaded to our IEEE IUB channel. Work with IEEE BDS as well. ([IEEE IUB Student Branch I Facebook](#))

## TRAINING

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### Catalyst Solution

22/12/20 – 20/01/21

### Data Artist Training

Working on catalyst solution one of the multinational company for data analysis, where I've improved the speed with which I gather and **analyze data in Excel and PowerPoint**.

### Renewable Energy

01/06/20 – 20/09/20

### Solar Development & Maintenance

Working with a team, I have learned how to **design & installation** solar panels under my university supervisor.

### IDOL – Training

6days

### Training on Thinking Skills Applications (TSA)

Develop habits of Reflective Practice to help me become more **self-aware and learn to recognize my strengths and limitations as well as communicate with others**. The organization also gave me an award. (More Details: [Google Site IDOL TRAINING](#)).

## EDUCATION QUALIFICATION

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### B.Sc. In Electrical and Electronics Engineering (EEE)

University : Independent University Bangladesh (IUB)

Passing Year : 2021

Result : 2.90 (out of 4)

[Major courses are in **Power Plant, Electronics, Renewable Energy, Switch Gear**]

[Minor in VLSI Design & Telecommunications also in Information Technology]

### Higher Secondary School Certificate (HSC)

College : Bangladesh International School & collage, Riyadh, Saudi Arabia

Group : Science

Passing Year : 2014

Result : 3.90 (out of 5)

Board : Dhaka

### Secondary School Certificate (SSC)

Schools : Bangladesh International School & collage, Riyadh, Saudi Arabia

Group : Science

Passing year : 2012

Result : 4.81(out of 5)

Board : Dhaka

### 1. Automated Road Dust Cleaner -2021

We developed a dust-cleaning machine that can be attached to the back of a vehicle and clean roads automatically while the vehicle is moving. In this Covid-19 scenario, our project makes life easier for workers while also being environmentally friendly. The method utilizes an IoT system, rewind a 3-phase motor from 440 to 60 volts, VFD, and use a battery as a power supply. It also uses a specially built propeller to create a large air suction in the chamber. (more details: [Google site ARD Project](#))

### 2. Piezo Electric Energy Production - 2020

We made a model of a system that uses piezoelectric transducers arranged in stairwells to produce electricity from the pressure exerted by people walking up and down the steps and store it for use at night to power staircase lights. We're working on expanding the project's scale, so it can be used in a wider corridor, and making it more efficient in terms of storing the charge for a longer length of time. (more details: [Google site PEEP Project](#))

### 3. OXY-Saver Device - 2020

To save oxygen, a tiny version was developed by us. Using a pressure sensor to detect the flow of breathing (inhale and exhale), and then using the data to automatically calibrate and configure for each patient.

### 4. Motion detector Based home automated circuit control with WIFI system - 2019

An IoT project where an ESP8266 and motion sensors were used to control home circuitry. The circuits could also be remote-controlled via Wi-Fi/BT & also sound sensor added to control via sound (clapping) too.

### 5. EV charger Design (PIC 16f877a) - 2019

Development of EV charger Using Rectifier, Buck-Boost converter circuit to make an efficient EV charger. It was designed in proteus with PCB design.

### 6. IOT based open source Incubator – 2019/2020

We contributed to the development of an incubator. Where as a team we tested and added IoT-based functionality to know all data utilizing the internet web feature. Our incubator has a large number of features, such as bilirubin measurement, phototherapy, heater, BPM monitor, weight measurement, oxygen level measurement, bed tilting, temperature measurement, IOT function, and so on. We utilized fire safety, alarm, large led notification, gas sensors, over current protection, and high-temperature protection in our device.

### 7. Earth Quake Detector – 2018

Designed and develop to detect Earth Shake, maintained accuracy 83% detection started from 3.07 magnitude until 9 magnitude. This was a home developed and home research project.

### 8. Rain Detector with earthing protection – 2018

Designed and develop to detect Rain and thunderstorm, maintained accuracy 78.7%, also included an earthing protection to block if any unwanted current flows to home electrical equipment's. This was a home developed and home research project.

## TECHNICAL SKILLS

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- Engineering Knowledge. (Electrical & Electronics)
- Data Analysis, Data Entry, Field Research, Calculation, Statically analysis.
- Conduct research, compile data and preparing presentation.
- Renewable Energy (Solar Energy, power, solar power plant setup design).
- Excel, Word, PowerPoint, Number, Page, Google Drive (Docs, Sheets, Slides).
- Easily operates any software.
- Email, Voicemail.
- Vat calculation.
- Software circuit design & implementation.
- Computer Software & Application Knowledge.
- Engineering Drawing Auto CAD.
- VLSI-LTspice, Psim, Proteus, MATLAB.
- Prototype–Bread & Vero Board, Soldering & assemble Circuit.
- IT – PC Analysis, Networking setup, IP setup – Cisco tracer (trained), Setup and debug.
- Graphics Designer, Adobe (PS, AI, AE, PR, Final Cut Pro).
- Research – Source checking, Google Search.
- Preparing Invoices, reports, memos, Data sheet, Test reports, financial statements.
- Open sort, distributing including faxes & Emails.
- Saber processing, CB, PCoC, Shipment Certificate.
- Quality Control & Assurance, Performance Review.

## SOFT SKILLS

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- Skilled Multi-tasker
- Can do attitude
- Time Management
- Ability to do Hard work
- Organizational Awareness
- Ability to Learn Quickly
- Good Analytical Skills
- Good Communication Skills
- Technical issue solving ability
- Teamwork
- Responsibility
- Self-Motivation
- Work Ethical
- Honesty
- Patience
- Creativity
- Critical Thinking
- Problem Solving

## LANGUAGE

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- English - Fluent
- Bangla - Fluent
- Arabic - Moderate
- Hindi - Fluent
- Urdu - Fluent

## PERSONAL DETAILS

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Father's Name	:	Late. MD. Emran Chowdhury. <b>(Worked at ABB, Riyadh, K.S.A, more than 30 years, ID:1145)</b>
Mother's Name	:	Dahlia Afroz
Date of Birth	:	23, February, 1996
Sex	:	Male
Marital status	:	Married
Spouse Name	:	Tasfia Anjum Neha
Blood Group	:	O+ ve
Height	:	173 CM
Religion	:	ISLAM
Passport No.	:	EE0138275
Nationality	:	Bangladeshi

## CERTIFICATES & ACHIEVEMENTS

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Bio-Forge	-	Research & Development Achievement Certificate 2021.
IDOL	-	Certificate & Award in Thinking Skills Application 2020.
IEEE	-	Best Student Branch Award 2020.
IEEE	-	Best Video editor Award 2020 – IUB.
IEEE	-	Best Logo Design Award 2020 – IUB.
IEEE	-	Treasurer, IEEE IAS IUB Student Branch Chapter 2020.
IEEE	-	Voluntary Award 2019.
ICAEE	-	Voluntary Award 2019.

## DECLARATION

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I, the undersigned, affirm that the above information accurately describes my qualifications, experiences, and myself to the best of my knowledge and belief. If employed, I am aware that any of the above-mentioned intentional misrepresentations might result in my disqualification or dismissal.

## REFERENCE

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Building Better Healthcare

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**QR CODE - FOR MORE CERTIFICATES & EMPLOYMENT CERTIFICATES**

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