HEDAYETUL
ISLAM

ELECTRICAL ENGINEER

✉ islamhedayet67@gmail.com

📞 🟢 +8801829353906

hedayet13

🌐 https://hedayet13.github.io/

EDUCATION

UNIVERSITY OF CHITTAGONG

M.Sc in Electrical and Electronic Engineering
Apr 2022 - Ongoing
• CGPA: 3.58(Expected)

B.Sc in Electrical and Electronic Engineering
Jan 2017 - Jan 2022
• CGPA: 3.36

SKILLS

ELECTRICAL
• Experienced in Circuit Constructing
• **PSpice** and **Proteus** software use for circuit analysis
• **Diptrace** and **SolidWorks PCB** used for creating PCB design

MECHANICAL AND CAD
• **SolidWorks3D**, **AutoCAD** used in various projects involving DC Power Supply, Surface Modeling, Stregth analysis.
• Deep knowledge of **CFD simulation** and **Volume of Fluid** method using **Ansys Fluent.**

MOBILE AND WEB APP DEVELOPMENT
• Developed and maintained Android and iOS apps using **Flutter**.
• Have knowledge about server: **Flask, Django**, NodeJs
• Experienced in integrating **APIs**.
• **Troubleshot** and resolved mobile development issues**.**

OTHERS
• Coding: **Python**, dart, MATLAB, C++.
• Linux: **UbuntuOS, KaliOS, Raspbian**.
• I prefer **Tensorflow** to ML and DL project.
• Use **Adobe Illustrator** for vector design and Premiere Pro for video editing.
• Experienced with **Raspberry pi** microprocessors and **Arduino** microcontroller.
• Microsoft Azure service, Virtual machine

PROJECTS

DISTRIBUTED CLOUD PRINTING SERVICE
https://uprintbd.com
• Developed a secure cloud printing web app with self-service **kiosks**.
• Created a **Flutter** app for seamless server communication.
• This startup is funded by **ICT Division, Bangladesh**

SURFACE ENGINEERING
Nov 2021- Jan 2024
• Design a surface to reduce the spashing of liquid. Doing a lot of simulation using **Ansys fluent**.
• Applying different Fluid physics simulation.
• Properties of **PDMS** material, gather data for making PDMS surface.

COVID-19 ICU MONITORING
Auguest 2020- Mar 2021
• Experiencd how a project becomes a **product**. A system that helps hospital personnels to monitoring patient bedside display **real-time** from non-covid space.
• Using light weight **Flask** framework with **Nginx reverse proxy** server in **Raspberry pi**.
• **Esp-32 camera** for captureing image and send using TCP/IP protocol.
• Learn **OpenCV** and **TesserectOCR** for extracting data and various **image processing algorithm**.
• An app that can query data from **SQL** data base.
• For casing design, uses **SolidWorks3D**

GHORVARA
Dec 2019- Jun 2020
• A **Flutter** based app where peoples save their house rent data.
• Works with **Firestore, Firbase** Authentcation.

SPEAKER FROM SCRACH
Auguest 2018- Nov 2018
• Learn the characteristics of different transistors (**JFET, MOSFET, BJT**).
• Obtain more than **50 times of gain** from the designed circuitry.
Design the PCB on **Diptrace** and the PCB was made only using household accesorries, fully **handmade**.

AWARD

• National ICT Fellowship, awarded by Government of the People's Republic of Bangladesh, to support research in the field of bio-surface, 2022.
• Former Trainee, Ghorashal Training Center, Bangladesh Power Development Board, Palash, Narsingdi,2021
• One of the top three team selected for National Hackathon 2019.

INTEREST

• Music
• Travel
• Cycling
• Game
• Biomedical
• Table Tennis