Tahrima Ashraf

A sincere , highly motivated , hardworking and dedicated young professional, early anticipating to work in a dynamic workplace where performance is the contributor to enhance self growth and assessment in professional and academic setting, to get an opportunity where I can make the best use of my skills and potential to work , learn and teach and contribute to the organizational growth.

Contact

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01967389051

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Address
120,Central Bashabo , Dhaka - 1214, Bangladesh

Expertise

- **Programming Software:** MATLAB, CodeBlocks, Arduino

- **Simulation Software:** PSpice, Proteus 8 Professional, Quartus, Power World Simulator, Tinkercad, MATLAB, AutoCAD, Cadence EDA
- **Hardware:** Arduino

- **Programming Language:** C, C++, python, machine learning, Verilog

- **Microsoft Office Suite:** MS Word, MS Excel, MS PowerPoint

- Computer Proficiency, Teamwork, Time management, punctuality, Learning skill or Adaptability, Critical thinking, Leadership, Active listening, Flexibility to work , Attention to details, Communication skill.

Research &Thesis

~ Plant diseases detection using image processing by Machine Learning (on going)

~ Application of 2-D materials in LED (Photonics) (on going)

~ Casimir Force between BP sheets (on going)

Education

2018-2022
B.Sc in Electrical and electronic Engineering
Ahsanullah University of Science and Technology, Tejgaon, Dhaka.

CGPA: 3.87. Consecutively got **50% Tuition Waiver** based on merit from **Ahsanullah University of Science & Technology** .

2017
Higher Secondary School Certificate
GPA 5.00

2015
Higher Secondary School Certificate
GPA 5.00

Experiences

2018 - Currrent
Private Tutor
Preparing students for class performance assessments and examinations, promoting confidence and skills .Preparing and presenting material on subject theory, ensuring clear communication on complex issues.

2022
Organizational Assistant
Organization of AUST EEE DAY by Oddoy-41

2018 - 2022
General Member
Aust design and innovation club (IDC, AUST)

Disaster Risk Management Trainee
Bangladesh Red Crescent Society, Dhaka, Bangladesh

2015 - 2017
Vice-President
Ideal School and College Science Club

2016
Representative of Ideal School and College
Wall Magazine Event, VNEC National Earth Carnival - 2016

2009-2015
Class Representative
KPB High School and College

Tahrima Ashraf
Signature

Projects

- Designing a BCD adder and subtractor using combinational circuit
- A project based on Bipolar stepper motor controlling with Arduino
- A project based on multifunctional detector that can sense high voltage, earthquake, fire and gas using Arduino
- A MATLAB project based on Producing a spectrum with voice data , transmission and reproduction (Modulation-demodulation)
- Multi-access electrometer using Microcontroller
- Gas leakage and fire detector with water sprinkler using MQ2 gas sensor and thermistor NTC

Interests

Sports (Cricket and Football) , dancing, Singing , Reading books , art and crafting , travelling , Reciting etc.

Language

Bengali

(Mother language)

English

(Fluent in speaking, reading & writing)

References

Dr Tareq Aziz
Professor,
Department of EEE,
Ahsanullah University of Science and Technology
Contact no: +8801732088228
E-mail: taziz.eee@aust.edu

Mr. Nahid-Ur-Rahman Chowdhury
Assistant *Professor,*
Department of EEE,
Ahsanullah University of Science & Technology
Contact no: +88 01706636110
E-mail: nahid.eee@aust.edu

Academic Achievements

~ **Dean's List of Honor (3rd position)** in the department of EEE at Ahsanullah University of Science and Technology

~ **50% Tuition Waiver** based on merit from Ahsanullah University of Science & Technology (AUST), Programe: B.Sc in EEE.

~ Secured **2nd position** in Final year Design Project Poster Exhibition & Competition, Fall 2021, AUST for our Project on Plant diseases detection using image processing by machine learning.

~ Awarded "**General Scholarship**" in Higher Secondary Certificate Examination in 2017 with GPA 5.00

~ Awarded "**Talentpool Scholarship**" in Secondary School Certificate Examination in 2015 and stood first in Thana based area with GPA 5.00

~ Awarded "**Talentpool Scholarship**" in Junior School Certificate Examination in 2012 with GPA: 5.00

~ Awarded "**Talentpool Scholarship**" in Secondary School Certificate Examination in 2009 and stood second in Thana based area with GPA 5.00

~ Awarded Scholarships twice in Intra School & College (Book based quiz competition)

~ Awarded Scholarship based on merit by Bangladesh Kindergarten Owners' Association

~ Awarded Scholarship based on merit by Bangladesh Teachers Community

~ Got multiple awards for merit, reciting, public speech, art, hand-writing and sports from school, college and different organizations.

Extra Curricular activities & certification

- Final year Design Project Poster Exhibition & Competition, Fall 2021, AUST
- " Next Business Leader - Technology " by Grameenphone in AUST , 2022.
- Workshop on LFR by PID Algorithm by Tetra Pico in 2020
- "CODEWARE19" in "Intra AUST Robo Soccer Competition Spring-2019" segment organized by AUST CSE Society in 2019.
- MINDSPARKS '18 organized by AUST IDC, AUST
- Basic Disaster Risk Management by Dhaka city Red Crescent Unit under Disaster Preparedness for Safer Schools , Project of Bangladesh Red Crescent Society
- Wall magazine competition of VNEC National Earth Carnival 2016

Tahrima Ashraf

Signature