JARIN TASNIM DIYA

Pakundia, Kishoregonj, Dhaka, Bangladesh

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EDUCATION

- **Bachelor of Science in Engineering | 2024**
  Electrical and Electronic Engineering
  Chittagong University of Engineering and Technology (CUET)
  CGPA: 3.5/4.00 (Expected)
- **Higher Secondary Certificate (H.S.C) | 2018**
  Abdul Kadir Mollah City College, Narsingdi, Dhaka
  GPA: 5 (On a scale of 5.00)
- **Secondary School Certificate (S.S.C) | 2016**
  Pakundia Girls High School, Pakundia, Kishoregonj, Dhaka
  GPA: 5 (On a scale of 5.00)

WORK EXPERIENCES

Industrial Attachment | 2023
Dhaka Power Distribution Company (DPDC), Dhaka, Bangladesh

SKILLS

Programming Language: Python, C

Frameworks/Tools:

- Numpy, Pandas, Matplotlib, Tkinter
- OpenCV, MySQL
- HTML, CSS
- Arduino, Proteus, TinkerCAD

PROJECT WORKS

Software-Based

- **Personalized Portfolio Website:** A personalized portfolio website to showcase my skills, projects, and personal information. The website is divided into sections like the home page, about me, education, skills, projects, etc, that provide a user-friendly interface and responsive design. Tech: **HTML, CSS.** **Project Link.**

- **Engineer's Dictionary**: A GUI-based dictionary application that provides definitions specifically from an engineering perspective. This dictionary also has the functionality of storing new words in a text file for future modification. Tech: **Python, Tkinter. Drive Link.**
- **TO DO - Your Day Planar**: A to-do list application with features such as a daily schedule planner, task organizer, timely reminder, and an alarm function. Tech: **Python. Drive Link.**

Hardware-Based

- **Soccer-Bot**: An Arduino-based bot using HC-05 Bluetooth Module and BTS7960 Motor Driver.
- **Automatic Street Light System**: Automatic street light project with intensity control system using Arduino, LDR sensor, IR sensors, and LED's.
- **Solar Tracking System:** An automatic solar tracker project using Arduino, Servo Motor, and LDR sensors that detects the intensity of sunlight and rotates that direction accordingly.

ONLINE COURSE CERTIFICATIONS

- Crash Course on Python- Coursera
- Introduction to Python - DataCamp
- Free Opencv Bootcamp – OpenCV University

EXTRACURRICULAR ACTIVITIES

- **General Secretary** of Women's Wing, Andromeda Space & Robotics Research Organization, 2022-2023.
- **Branch Member** of IEEE Student Branch CUET, 2020-2021.
- Attended as a speaker at Learning from IEEE Resource Series 5, IEEE CUET WIE Affinity Group Student Branch.
- Article on '**Electricity from Living Plant- A gift of Nature'**, awarded as the best article in RMA Present Telescope and published in their yearly magazine "RMA Telescope".
- Participated in an intra-university RoboSoccer competition, "**RMA TECHDAY 2021**".
- Delegate at **GLOBAL YOUTH CLIMATE SUMMIT**, March 2021.
- Poster presentation, "**MOXIE: Breathing on RED Planet**", in a Poster and Writing Contest organized by MARS SOCIETY BANGLADESH and obtained 3rd position.
- Volunteered in IEEE DAY 2020 and IEEE PES DAY 2021 organized by IEEE CUET STUDENT BRANCH.