Awais Bin Bilal

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Address
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Pakistan

Objective

Enthusiastic undergraduate looking to secure an apprenticeship/internship to enhance my technical skills, to gain industry experience and to develop my soft skills contributing to the benefit of the organization.

Education

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) — Topi, PK
Bachelors of Science in Electrical Engineering(Electronics) — 2020 - 2024
CGPA: 3.07/4.00

Punjab Group of Colleges — Lahore, Pakistan
Faculty of Science (FSc) — 2018 - 2020
Result: 863/1100

Beaconhouse Defence Campus Lahore — Lahore, Pakistan
Qualification (Cambridge O-Levels) — 2017 - 2018
Grades: 6A*s 2As

Work Experience

GIK Sports Society (Liaison Head) — Topi, Swabi, Pakistan — 2022 - 2023
Successfully approached different institutes, efficiently managed the registration process, transportation from Islamabad, and accomodation of 250+ participants.

GIK Sports Society (Fixtures Head) — Topi, Swabi, Pakistan — 2022 - 2023
Independently formulated fixtures of various sports while negotiating profitably with respective team captains.

Academic Projects

LIFI Transceiver system
Not only designed but implemented a system that coded the information of team members and transmitted that code via the screen of laptop by changing brightness levels. At the receiving end, mobile phone's ambient light sensor accessed and decoded it. This project was implemented using Python and different customized (custom experiment) Phyphox app.

Small-scale Transformer design
The connected load of a section of our faculty building was measured and the rating for a transformer for that load was calculated. Designed & constructed a transformer from scratch of 250VA .

Communication between two PIC18 ICs
Using the programable PIC18f4550, designed a real time message sending and receiving system.

2D line follower with Face Recognition.
Work is currently in progress in the form of our junior year competition which requires machine learning to train the program to recognize the face of team members and move the arm or CNC mounted laser through wireless communication.

Function Generator
Composed a function generator capable of sending an output of Sine, Triangular, and Square wave to any system using Op-Amp (LM741).

RFID Door Lock
Formulated and designed door lock using the RFID reader which unlocks the door. Any other false key sends a warning text to the owner of the house.

Temperature Controlled DC Fan
Produced a fan that is capable of sensing a temperature that toggles between ON and OFF according to the heat near the sensor.

Awards & Achievements

- High Achiever Award from school (BDC) and academy (Greenhall) in O levels.
- Best Position Paper in BGMUN'17.

Skills

- Reliable Leadership
- Effective Interpersonal skills
- Flexible and Problem-Solving
- Critical and Analytical Thinking
- Adept in programming languages i.e C++, C, Assembly language and Python.
- Proficient in softwares (Proteus , LT spice, Altium, MATLAB, CREO ,MPLAB, MULTISIM, Arduino).