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| Objective | An aspiring electrical engineer, a keen learner and a science enthusiast seeking opportunities where I can use my academic and extracurricular skills and experiences to add value to any project while broadening my own intellectual horizon. | |
| Education | Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) | Topi, PK 2019 - 2023 |
| | Bachelors of Science in Electrical Engineering(Electronics) CGPA: 2.81/4.00 | |
| | FFC GRAMMAR SCHOOL AND COLLEGE | Sadiqabad, Pakistan 2017 - 2019 |
| | Qualification Grades: 3 B's | |
| Work Experience | FFC GRAMMAR SCHOOL AND COLLEGE | Sadiqabad, Pakistan 2015 - 2017 |
| | Qualification Grades: 6 A's and 2 B's | |
| | Internee, Fauji Fertilizer Company | Sadiqabad, Pakistan July 2021 - August 2021 |
| | Technical internship in Instrumentation department of FFC Goth Macchi Branch in which I completed various tasks from presentation projects. | |
| Academic Projects | Graphic Designer, SnapEx | Sadiqabad, Pakistan August 2021 - November 2021 |
| | Developed social media posts and graphics for website for SnapEx | |
| | Media Director, DroneTec | Islamabad, Pakistan January 2022 |
| | Is the in charge of all the media and social content activities. | |
| Awards & Acheivments | Robotics and Automation Chairman, IEEE GIKI SB | Topi, Pakistan June 2022 - Current |
| | Managed and organized various all technical event on a domestic as well as international level. | |
| | Blink Detection and Removal Using Machine Learning | |
| | Using EEG signals and extracting components using independent component analysis we had to extract its characteristics before and after blink removal. Using these characteristic and Machine Learning, we created an algorithm that detected blinks in EEG signals with a 75%+ accuracy and removes them. The entire project was done using MATLAB. | |
| Skills | Single Phase Step Down Transformer | |
| | Calculated and constructed a 1 KVA single phase step down transformer which step down 400 V to 12 V. | |
| | Temperature Operated Door Lock System | |
| | Using digital signal conditioning created a circuit that checks the temperature of a person at the entrance and only opens the door lock if the body temperature is within normal range. The project was made using Audrino, temperature sensor, ultrasonic sensor, relay and LCD unit. | |
| Skills | Stop Watch and Timer using PIC18f4550 | |
| | By using PIC18f4550 interfaced a stopwatch and timer circuit which was coded with machine Language. | |
| | Audio Visulization System | |
| | Developed a audio visulization system projects audio frequency in form of visual lighting. | |
| Skills | Circuit Tester | |
| | Developed a circuit tester which test for any breaks or short circuits in the circuit implementing BJTs and FETs. | |
| | - Event Head at IEEE GIKI Student Branch | |
| | - GIKI Tennis Captain. | |
| Skills | - Level 2 seller on Fiverr. in the area of Graphic Designing. | |
| | - Organized several robotics events as an active member of IEEE GIKI at national level. | |
| | - Programming Languages: Python, SQL, C /C++, MATLAB, Assembly | |
| | - Operating Systems: Windows, Linux | |
| Skills | - Professional Softwares and Tools: MATLAB, LATEX, LABVIEW , Visual Studio, Proteus, Multisim, LTSpice, CREO, Arduino IDE, Pycharm, COMSOL, Jupyter Notebooks. | |
| | - MS Tools: Proficient with Microsoft Word, Excel, PowerPoint and Visio. | |
| | - Other Tools: Adobe - Photoshop, Premier Pro, Illustrator, After Affects (Video Making & Editing) | |
| | - Micro Controllers: Arduino and PIC18f4550. | |
| Skills | - Soft Skills: Excellent Verbal and Written Communication skills , Hardworking , Leadership and Excellent Management skills, Teamwork. | |
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