**Curriculum Vitae**



**PERSONAL INFORMATION**

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| Name: | **SARFRAZ HUSSAIN** |
| Date of Birth | October 5th, 1994 |
| Email | [Sarfrazali263@gmail.com](mailto:Sarfrazali263@gmail.com) |
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**SUMMARY**

An enthusiastic self-starter with strong leadership and communications skills. Proven academic and curricular achievements, and possess the right technical and soft skills required to propel the organization achieving its goals and objectives.

**ACADEMIC DETAILS**

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| --- | --- | --- | --- | --- |
| **DEGREE / CERTIFICATE** | **YEAR** | **INSTITUTION** | **%** | **CGPA/**  **GRADE** |
| Bachelor of Science (B.Sc.) in Electrical Engineering | 2017 | University Of Central Punjab Lahore | 84.0 % | **3.35/4.0** |
| Higher Secondary School Certificate (HSSC) | 2013 | Punjab Group Of College Sargodha | 71.0 % | **A** |
| Secondary School Certificate (SSC) | 2010 | Ilma Model High School Sargodha | 75.0% | **A** |

**AWARDS and ACHIEVEMENTS (Notable)**

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| --- | --- |
| * Best **“Final Year Project”** Award**.** * Win **“Arduino coding”** competition   **B.Sc. FINAL YEAR PROJECT** | * Awarded "**Scholarship**” in Intermediate. * Win **Circuit Design & Implementation** competition. |

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| --- | --- |
| Project Title | **Renewable Energy Training Module** |
| Brief Description | * Developed laboratory module for Experiments * Use Wind Turbine and Solar Panel as a Renewable Source of Energy * Solar panel and Wind Turbine Design according to Requirement * Developed Hybrid system having AC 220V and DC 12V Output * Prepared Lab Manual having 15 Experiment * Awarded highest (94%) weightage among 100+ students. |

**PROFESSIONAL EXPERIENCE**

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| --- | --- | --- | --- | --- |
| Organization | Period | | Job Title | Responsibilities |
| From | To |
| **AA. Spinning Mill Pvt Ltd Faisalabad , Pakistan** | Aug  2017 | To Date | Tr. Engineer | * Installation of 11.6 MW Wartsila Diesel Power plant * Plant operation and Scheduling. * Trouble shooting and New component installation * Designing and Interfacing of different Module and sensor * Team Lead and Project management * 5.5 MW JE Gas plant Maintenance |
| **Power Solution Sargodha** | July 2016 | July 2016 | Internee | * Solar Water Pump Installation * Solar System Design for Domestic Purpose |
| **Mangla Hydro Power Plant Mirpur, Pakistan** | AUG 2016 | AUG  2016 | Internee | * Understanding about the working of Hydro Turbine * Report preparation for Working on daily basis. |

**PROJECTS COMPLETED**

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| --- | --- |
| * Renewable Energy Training Module * Multi agent Robotic system * Wireless Home Automation System * Password based Home Security System * Cell phone control base Robo Car | * Variable Frequency Drive For Three Phase Motor * Color Sorting Machine * Temperature Based Automatic Fan and Heater control system |

**TECHNICAL SKILLS**

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| --- | --- |
| * Matlab/Simulink, C/C++ Programming * Troubleshooting * Microprocessor based architecture and assembly language * Labview based coding and interfacing of different module | * Electric Circuit Designing using Proteus * Atmel/Microchip/Arduino programming * PLC installation and coding * Expert in Powerworld Simulator & ETAP * Drawing Reading and fault tracing |

**REFERENCES**

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| **Prof. Ali F. Murtaza**  [ali.faisal@ucp.edu.pk](mailto:ali.faisal@ucp.edu.pk)  Research Advisor  (Power Electronics)  University of Central Punjab, Lahore, PK |  | **Prof. Ali Nasir**  [a.nasir@ucp.edu.pk](mailto:a.nasir@ucp.edu.pk)  H.O.D(Electrical Engineering Dept.)  University of Central Punjab, Lahore, PK |