
OSSAMA HANEEF

Electrical (Electronics) Engineer (PEC NO. 54549)

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Summary

I am PEC registered engineer and my aim is to work in a workplace where there is a chance for those who strive for excellence. I would like to work in a conducive workplace with a team that performs with all the zest to grow and prove myself as a leading professional player for the success of my organization.

Education

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|--------------------|--|
| Mar 2017-Jan 2019 | MS (Electrical Engineering)
<i>COMSATS Institute of Information Technology, Abbottabad.</i>
My major is electronics. I have completed the course work and doing research in field of Computer Vision. CGPA: 3.8 out of 4. |
| Feb 2012-Jan 2016 | BS (Electrical (Electronics) Engineering)
<i>COMSATS Institute of Information Technology, Abbottabad.</i>
My major was electronics. CGPA 3.42 out of 4. |
| Sep 2009-July 2011 | Higher Secondary School Certificate
<i>Pakistan International Public School and College, Abbottabad.</i>
Marks: 898 out of 1100. Grade A+ |
| Mar 2007-June 2009 | Matriculation
<i>Pakistan International Public School and College, Abbottabad.</i>
Marks: 864 out of 1050. Grade A+ |

Work Experience

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|---------------------|--|
| Feb 2016-April 2016 | Internship
<i>ZTE-Telenor Pakistan, Abbottabad.</i>
I worked with the field engineers and helped them in the troubleshooting of the sites |
| June 2016-Sep 2016 | Internship
<i>Huawei Technologies Pakistan. Islamabad.</i>
I worked at the Spare Parts Managed Service Department. |

Engineering Final Year Project

Lane Departure and Obstacle Detection for unmanned Vehicle:

The project had 2 sections:

1. **Lane Departure Detection:** Here computer vision and image processing were used for the detection of the road lanes and detecting if the vehicle has drifted out of its lane.
 2. **Obstacle Detection:** Here we used the ultrasonic sensor for the detection of an obstacle in front of the vehicle.
- Project was implemented on Raspberry Pi.
 - MATLAB was extensively used for this project.

Semester Projects

- **Microprocessor:** Designed a Microprocessor on PROTEUS that can perform different Arithmetic logic unit-based instructions.
- **Microcontroller:** Designed a 3x3 LED cube that displayed alphabets. Also designed a counter that displayed output on the 7-segment display.
- **Door Passing Counter:** Designed a door passing counter that counts the number of people entering or leaving from a door.
- **Secret Door Bell:** Designed a transistor based secret doorbell using transistors and amplifiers.

Skills and Tools

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|---|---|
| • Strong Communication and Presentation Skills | • EMU 8086
For Microprocessor 8086 |
| • Team Work
Have worked many times with team and have good leadership skills. | • Raspberry Pi
For Projects |
| • Project Management
Have project managing skills. | • C++ / OOP
For General coding |
| • Microsoft Office
For Office Work | • Xilinx
For FPGAs |
| • MATLAB
For Signal Processing, DSP, Computer Vision and Image Processing. | • Modelsim
For IC Designing |
| • Proteus and Multisim
For Simulation and PCB Designing | • Anaconda (Python coding)
For Raspberry Pi coding |
| • MPLAB
For Micro-controller coding (PIC family) | • Advance Design System (ADS)
For antenna designing |

Extra-Curricular Activities

- Organized an event “Industrial Experts on Campus” at COMSATS Abbottabad.
- Participated in project exhibition “HIPE” at COMSATS Abbottabad.
- Participated in International Conference “Frontiers of Information Technology 2015”.

- Workshop on “Managing Diversity”.
- Workshop on “Proteus and PCB designing”.
- Workshop on “Current trends and standards in Telecom sector”.

Reference

References will be provided upon demand.