

UZAIR MAZHAR AWAN

CONTACT

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TECHNICAL SKILLS

- Programming Languages:**
C/C++, Java, Verilog,
MATLAB/SIMULINK, Latex
- Software:** Microsoft Office Suite
(Word, PowerPoint, Excel),
Simulink, Proteus, MATLAB,
Altium Designer, Xilinx
- Tools:** FPGA, Linux OS,
Arduino

KEY SKILLS

- Decision making
- Adaptability
- Management
- Critical thinking
- Event planning

CO-CURRICULAR

- Community service and
volunteering
- Performing art
- Table tennis

LANGUAGES

- English
- Urdu
- Punjabi
- Saraiki

PROFESSIONAL PROFILE

A hardworking student having good analytical skills and an ability to make sound decisions. An excellent problem solver, critical thinker, hardware programmer as well as result-oriented individual who easily understands and can solve technical problems.

EDUCATION

- Bachelor of Science in Electrical Engineering** 2014 – 2018
COMSATS Institute of Information Technology | Islamabad, Pakistan
- Specialization: **Computer**
 - CGPA: 3.74 / 4
 - Course Work: Digital System Design, Robotics, Microprocessor Systems and Interfacing, Digital Image Processing, Control Systems, Digital Signal Processing, Electronics, Electric Circuits

PROFESSIONAL EXPERIENCE

- Research Intern** June 2017 – Aug 2017
Next Generation Communication Research Group lab at Cubator 1ne
- Worked on research projects related to Arduino and raspberry pi
 - Hardware Development of various projects
 - Computer Maintenance of the PC's in the lab
- Intern** June 2016– July 2016
Islamabad Electric Supply Company, SE(GSO) Circle IESCO, Islamabad
- Schematic Drawing of Grid Station Equipment
 - Operation/ Maintenance of Grid Station
 - Detail Testing of Grid Equipment
- DISTINCTIONS & ACHIEVEMENTS**
- Campus Bronze Medal** CIIT, Islamabad May 2018
 - Three Distinction** in bachelor studies at CIIT, Islamabad
 - Received **Prime Minister's Laptop Scheme Award** based on high academic excellence Jan 2015
 - Marketing Head** in IDEA Student Society in CIIT, Islamabad 2017-18

CERTIFICATIONS

- Microsoft Office Specialist, PowerPoint® 2016** Dec 2017
Microsoft | (License: wdE5N-Hah7)
- Microsoft Office Specialist Word® 2016** Dec 2017
Microsoft | (License: 9RdB-sFMh)
- Professional Development Workshop on Computer Vision** Oct 2016
COMSATS Institute of Information Technology | Islamabad, Pakistan
- Professional Development Workshop MATLAB** Oct 2015
COMSATS Institute of Information Technology | Islamabad, Pakistan
- Professional Development Workshop LaTeX & Xfig in Ubuntu** Sep 2015
COMSATS Institute of Information Technology | Islamabad, Pakistan
- Professional Development Workshop on Android Development** Aug 2015
COMSATS Institute of Information Technology | Islamabad, Pakistan

FINAL YEAR PROJECT

Design and Development of Earth Horizon Sensing (ERS) Module for LEO Satellite (PNSS-1)

Nov 2016-Jan 2018

- This is a part of Pakistan National Students Satellite program (PNSS-1). In this we have designed a sensor which calculates the Pitch and Roll value of our satellite with respect to Earth, with the help of these values we determine the orientation of our satellite.

ACADEMIC PROJECTS

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| ▪ Implementation of Floating to Fixed point convertor on FPGA | Fall 2017 |
| ▪ Booth Algorithm for signed multiplier | Fall 2017 |
| ▪ Effects on retinal images in the detection of blood vessels when single or multiple planes are removed | Spring 2017 |
| ▪ Balancing of inverted pendulum mounted to a motorized cart | Fall 2016 |
| ▪ Smart Keypad Lock using 8051 Microcontroller | Fall 2016 |
| ▪ Single Cycle Processor using Verilog | Spring 2016 |
| ▪ Nearby Cellphone detector to be used in Exam Halls | Spring 2016 |

ORGANIZATIONAL SKILLS

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| ▪ Part of planning team of ROBIAN CIIT's Robotics contest | 2017-18 |
| ▪ Part of organizing team of first Pakistan Engineering Convention | Dec 2017 |
| ▪ Part of organizing team of an interactive session with transgenders | Nov 2017 |
| ▪ Organized and took part in satire play Nawab Ghar | Nov 2017 |
| ▪ Part of HEC Yakjehti Karwan for Quetta to express solidarity with Baloch people | Aug 2017 |