# MALIK AHSAN SAJJAD

## CONTACT

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## TECHNICAL SKILLS

**Programming Languages:**

Java, C, HTML, Assembly, Verilog.

**Software:**

Matlab,Xilinx,Proteous,Orcad,Cisco PacketTracer,BlueJ,Android Studio,VMLAB,.

**Electrical Hardware:**

Arduino, Raspberry Pi, Atmega 16, PCB design, FPGA.

**Operating Systems:**

Windows

Raspbian,

**Other:**

Web development,

Technical Writing.

Free Lancing

## PROFESSIONAL PROFILE

To work in a department which provides me an opportunity to give my best to them and offers professional growth while being resourceful, innovative and flexible help me in improving my skill set and knowledge.

## PROFESSIONAL EXPERIENCE

- **JOB**                                                                December-2017-Continued

  **JW Tech (Pvt.) Ltd-TECHNICAL EXECUTIVE**
  Working in the JW Tech (Pvt.) Ltd organization, main part of my job is to provide technical research of our product and other products in the market to get a detailed overview for market and also help senior management in the terms of technical documentation.

- **Engineering Intern**                                           Aug 2015 - Done
  **Oil and Gas Development Company Limited** | Chanda/Mela Oil Field
  Study of working principles of motors and their internal windings
  Autonomous controlling devices at plant area

- **Networking Internship**
  **ZTBL Head Quarters Islamabad** | Islamabad      June 2016 – Sep2016
  Network troubleshooting and study functionality of HUBS and SWITCHES

## EDUCATION

- BSc Electrical (Computer) Engineering        Feb 2013 – June 2017
  **COMSATS Institute of Information Technology** | Islamabad, Pakistan

  | CGPA: **2.77 / 4** | Percentage: 70.00% | Grade: **B-** |
  |---|---|---|

- **HSSC**                                                                2010 – 2012
  **Punjab College of Information and Technology** | Rawalpindi, Pakistan

  | Marks Obtained: 807 / 1100 | Percentage: 73.31% | Grade: **A** |
  |---|---|---|

- SSC                                                                      2008 – 2010
  **Siddeeq Public School** | Rawalpindi, Pakistan

  | Marks Obtained: 910 / 1050 | Percentage: 82.71% | Grade: **A+** |
  |---|---|---|

## CERTIFICATIONS

- **Robotic Competition**
  **EE Department** | Comsats Islamabad, Pakistan

- **Raspberry-Pi Workshop**
  **Cubator 1ne** | Comsats Islamabad, Pakistan

## WORKSHOP

- Raspberry Pi Workshop.
- Android Studio Basics.
- Arduino Training.

# PROJECTS

**Final Year Project:**
**<u>MOBILE PHONE AUTO-SILENT SYSTEM FOR CONFRENCE ROOM USING RASPBERRY-PI</u>**
We will make auto-mobile phone silent in conference room using raspberry-pi.
 Some of The features of project include as,

> ➢ Wi-Fi Positioning System for indoor localization of android mobile.
> ➢ Android application for silent the mobile phone.
> ➢ Communication Protocol (b/w Raspberry-pi and Android mobile).

**Academic Projects:**

- Implementation a digital clock on FPGA and display it on LCD.
- Face Detection System using Matlab.
- 32-bit MIPS pipeline processor using RTL in Xilinx ISE.
- Audio Equalizer using Simulink.
- Blood Bank system using Java.
- Metal Detector.
- Maze solving robot using ATmega 16.

# REFERENCES

**Will be available on demand.**