

Muhammad Momin

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Career Objective |

To enhance my technical skills and gain professional experience.

Education |

Degree	Year	Institution	Percentage/ GPA
BE (Electrical)	2011-2015	National University of Sciences & Technology	3.32/4.00
HSSC	2009-2011	Government College Lahore.	89.18 %
SSC	2007-2009	Garrison Academy Lahore Cantt.	92.76 %

Experience |

- **Punjab Education Foundation(July '17 –August '17)**
Internship in New School Program (NSP) Department of Punjab Education Foundation.
- **Al-Khwarizmi Institute of Computer Science (KICS) UET Lahore (Sep 2017)**
Internship in the research projects related to the fields of Text-Analysis and Reverse Engineering.

IT Skills and Tools |

➤Softwares|

Pspice, Proteus, AutoCAD, Matlab, Eclipse, MS Visual Studio, ModelSIM, MS Office, MySQL, Adobe Photoshop, Illustrator, TexStudio

➤Programming Languages|

C/C++, JAVA, Assembly, HTML, CSS, Java Server Faces

Achievements |

- Merit Scholarships during Engineering
- FICS – Finding Innovative and Creative Solutions (Intra-NUST) finalist for the year 2015
- Position Holder in National Mobile Application Competition (NMAC) Pakistan 2015
- Final Year Project funded by National ICT R & D Fund
- NUST Rector High Achiever for Final Year Project

Skills |

- Design and Simulation of Circuits
- Computer Programming and web development.
- PCB Designing and fabrication
- Graphic Designing
- Multi-tasking and problem solving

Final Year Project |

➤ Irrigation

It is a wireless automated irrigation control system. The method of surface irrigation was automated using gate structures which were controlled using a web application. Sensor stations including soil moisture, temperature and humidity sensors were installed for monitoring irrigation. The communication among the sensor stations and gateway was made using Zigbee modules. Application server and communication server were also developed in JAVA and C++ respectively for the communication between hardware and software.

Semester Projects |

- **Audio Controlled Robot** – A car was designed which moves on the basis of clap using microcontroller 8051.
- **Checkers Game** – A simple 3D checkers game was developed using the concepts of object oriented programming.
- **Fire Fighting Robot** – A remote controlled car using RF transceiver was made as a duplicate of Fire Brigade Car.
- **Room Energy Saver** – To save the energy, a circuit was designed to switch off the lights when the room was empty using LDRs, lasers and microcontroller.

Extra-Curricular Activities |

- Badminton, Football, Exploring new places through travelling, cooking and reading books.