

## EDUCATION

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- **B.E.**, Engineering Sciences, GIK Institute of Engineering and Sciences, Pakistan, 2010-2014
- **M.E.**, Electrical and Electronics Engineering, City University of New York, 2015-2017
- **F.E. / E.I.T.**, New York State Board, Electrical Engineering and Computer Sciences, 2014

## EXPERIENCE

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### COMPUTER ENGINEER, ALFALAH ELECTRONICS, PAKISTAN, 2012- 2014

- Designed and **developed front end** of company's accounting software using Visual Studio 2013, C# Windows forms Application, and SAP Crystal Reports. Designed and **developed the backend database** of the software using Microsoft SQL server 2012
- Designed, deployed and maintained **LAN/WAN** by connecting five different locations on the same network with long range wireless internet routers to facilitate the use of cloud and server-client technology
- Maintained and repaired **personal computers and laptops** performing Virus Removal and Recovery, installation and upgrade of operating system and software, repairs, upgrades and replacement of hardware
- Developed **company website** ([www.alfalahalectronics.com](http://www.alfalahalectronics.com)) and improved the search ratings using SEO tools

### ERICSSON, INTERNSHIP IN 2013

Worked on GSM Architecture, Call flow systems in **Telecommunication Systems**, Debugging of BTS sites through Software and Computer Networking.

## PROJECTS

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- **Project A.M.P., World finalist, Apportunity Competition 2015, Oslo, Norway**
- **Project A.M.P. World finalist, Microsoft Imagine Cup 2014, Seattle, Washington** - Implemented application to replace expensive hearing aid frequency processing with a mobile phone along with a patient management portal. (W8 C#, WP8 C#, PHP, Azure Website).
- **Localitè Proximus (Best CS FYP Award GIKI 2014):** Tourist application integrated with social media providing on camera augmented reality, object localization, fuel efficient paths, location information, ability to add / view reviews and places on Google Maps. (Android)
- **Wireless data Transmission using Amplitude modulation of lasers:** In this project Analog data (e-g voice/sound) is transmitted using free space communication. Laser is used as a source of free space communication. Analog data is transmitted using amplitude modulation of lasers.
- **Computer Controlled Wireless Robot:** In this Project the Robot is controlled using Computer through serial cable. Command is sent from computer e-g for forward motion we shall write -F and micro-controller interpret it and send signal to motors for forward motion.
- **Websites:** Developed different e-commerce websites including "https://www.dressmanhattan.com", "http://www.manhattansurgico.com" and "https://www.primetimetravelnyc.com" and improved their SEO ranking on Google and Bing.

## MEMBERSHIPS

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- Institute of Electrical and Electronics Engineers, Student Member
- SPIE - the international society for optics and photonics, GIKI Chapter Member
- Faculty of Engineering Science Council at GIKI, Member and Teaching Assistant

## COMPUTER LANGUAGES AND TECHNOLOGIES

C#	SQL Server 2012	PHP	MySQL	Java Script
HTML/CSS	Windows Store	XAML	AJAX	JQuery
C/C++	MATLAB	8051	Android	Multisim
Labview	Arduino	Proteus	Visual Studio 2013	Eclipse
Crystal Reports	Word Press	Bootstrap	Wix	Joomla