



# Syed Ali Shehryar

Engineer. Developer.

 [ali.shehryar@live.com](mailto:ali.shehryar@live.com)

 [pk.linkedin.com/in/ashehryar](https://pk.linkedin.com/in/ashehryar)

 (+92)320-1234121

 [github.com/sshehryar](https://github.com/sshehryar)

## Education

- June 2014**      **Bachelors of Engineering, Electrical Engineering**  
Military College of Signals, National University of Sciences & Technology, Pakistan.  
**CGPA:** 3.11/4.00  
**Coursework Highlights:** Data Communications & Networking, Network Security, Mobile & Wireless Communications, Telecommunication Systems Design, Digital & Analog Communications, Digital & Analog Circuit Design, Satellite Communications, Communication Systems Planning, Object Oriented Programming Patterns, Computer Systems Architecture, and Control Systems Design.
- August 2010**      **Cambridge International A' Levels**  
Roots School System, Pakistan.  
**CGPA:** 4.00/4.00      **Grade:** A  
**Coursework Highlights:** Math (A), Physics (A\*), Chemistry (A), Economics (A).

## Related Work Experience

- October 2014 – Present**      **TeReSol Pvt Limited**  
**Software Engineer (Embedded Linux)**  
-Kernel and Driver Development, System Integration and Customization of embedded Linux distributions.  
-Modifications to and compilation of kernel images (Arago based ulmage) for AM1808 (ARM9) based custom boards.  
-Development and Testing of a Universal Parallel Port (uPP) driver module for Texas Instruments OMAP-L138.
- Summer 2014**      **Qwexar, Pakistan.**  
**Software Engineering Intern.**  
-Acquired experience in testing and development of web based applications.  
-Assisted a company client in upgrading his rails application and improve his web presence by employing html5 and css3.
- Summer 2013**      **Ericsson, UAE.**  
**Network Engineering Intern**  
-Worked with the Fixed Access Network team responsible for deploying and maintaining various GPON/FTTH/DSL projects for Du Telecom.  
-Worked with the LTE core packet team responsible for design, deployment, maintenance and optimization of LTE networks, and provided assistance by active participation in Drive Testing.

## Extracurricular Activities

- NUST Community Service Club**  
-Organized and lead a team of 30 students for park cleaning and maintenance campaign.

## Skills

- Hardware:** -PCB Designing in Proteus Professional & Electronics Workbench.  
-Microwave Circuit Design in Agilent ADS.  
-Antenna Design in HFSS.
- Platforms:** Windows, Linux.
- Languages:** Ruby, HTML, Javascript, CSS, C, C++, Matlab.
- Frameworks:** OpenCV, Rails, Pupil (MIT)
- Tools:** GNU-GCC, Visual Studio, Brackets IO, GEDIT, GIT
- Other:** Network Optimization (GSM, 3G, LTE), OSP Network Configuration & Maintenance.

## Significant Class Projects

- 2014**      **Eye-Gesture Based Control System**  
-My Group's senior year project. It uses OpenCV to track pupil based eye movements and produces serial port outputs for Arduino Due that are used to move a robotic arm.
- 2012**      **Real Time GPS Tracker**  
-Team leader; Created an ATmega32 based GPS tracker that was interfaced with Google maps for real time monitoring.
- 2012**      **Dual Tone Multi – Frequency Based Home Monitoring System**  
-End of semester project that used a DTMF IC and an AVR based circuit with and Arduino Wireless Inventors Shield that accepts wirelessly sent input from the dial pad of a cell phone and uses the sequence to drive IP cameras as well as motors.

## Other Experience/Awards

- April 2013**      **Coursera**  
-Successfully completed Introduction to Computer Networks course offered online by University of Washington, through Coursera.
- November 2012**      **Edx, BerkeleyX**  
-Successfully completed CS-169x: Engineering Software as a Service course offered online by University of California at Berkeley,
- August 2009**      **Cambridge AICE Diploma**  
-Successfully cleared Cambridge International Examinations Advanced International Certificate of Education Diploma with Distinction.
- October 2009**      **IGGY Warwick**  
-Inducted as an honorary member to International Gateway for Gifted Youth, University of Warwick.