Abdullah Ameer Aftab

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EDUCATION

NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES (FAST-NU), LAHORE	Dec 2017

FAST SCHOOL OF Electrical Engineering
Bachelors in Electrical Engineering (Specialization: Computer Engineering)

- Over 3.33 gpa in every programming course (C++/Assembly) that I have taken, showing my ability and aptitude in coding.
- Participated in many engineering competitions e.g. SOFTEC, IEEE week.
- Fundamental concepts of Operating Systems.
- I have immense interest in Embedded Systems as I have worked on PIC18f452/ARM Cortex-M4/8051 micro-controllers.
- Worked on some RTOS e.g. SALVO.
- Comprehensive skills in electronics and fundamental circuits as I have dealt with many projects.
- Strong Electronics base.
- I have done some projects on DBMS e.g. SQL Server.
- Organized many events and workshops during IEEE week.

CGPA: 3.0

BEACONHOUSE SCHOOL SYSTEM (CANAL SIDE CAMPUS), LAHORE	Sep 2011

Cambridge: O-levels

- Major Subjects as Physics, Chemistry, Math and Biology.
- Got first position in Intra-Regional Biology competition.
- Got **6A's** and 2B's in O-levels.
- Secured **Bronze** Medal from my school among 150 students.

BEACONHOUSE SCHOOL SYSTEM (A-LEVELS GULBERG CAMPUS), LAHORE	Sep 2013

Cambridge: A-levels

- Major Subjects as Physics, Chemistry and Math.
- Completed my 2 years of A-levels on Scholarship
- Hosted many events and participated in many co-curricular activities.
- Got **2A's** in A-levels.
- Secured **Silver** Medal from my college among 200 students.

Placements @ FAST School of Management, National University of Computer & Emerging Sciences
Block-B, Faisal Town, Lahore, Pakistan
placements.lhr@.nu.edu.pk

EXPERIENCE

U-blox, Lahore   Apr 2018 – June 2018
Internee
During my Internship at U-blox, I worked on the testing of cellular modules based on UMTS and LTE protocol stack, namely TOBY-L4 and LARA-R3121 module. I have:

- Gained scripting knowledge using python.
- Gained good understanding of I/O interfaces, interaction with modules using serial and Ethernet interfaces.
- Developed scripts to predict different behaviors of cellular modules.
- Learned a lot about AT commands, their behavior and different scenarios of cellular modules.
- Compiled many windows batch files to automate the process of testing and edited tests written in Perl language according to our own needs.
- Studied and Compiled logs to find key information that was to be sent forward to development team.

Mentor Graphics, Lahore   Jan 2018 – Jan 2018
Trainee
Worked on the basics of:

- ARM Architecture (Cortex M4-F)
- Embedded C programming
- GPIO/Timer/ drivers for TM4C123GH6PM micro-controller

Shoukat Khanum Memorial Hospital, Lahore   May 2012 – July 2012
Internee

- I did my internship at Shoukat Khanam hospital during my summer vacations of A-levels. It was a healthy experience as it helped me a lot on how to work as a group, in a team and how each and every person is given a specific task according to his skills.

Health wire, Lahore   Oct 2015 – Nov 2015
Internee

- Health wire is an intuitive taken by a couple of LUMS graduate to make doctor's appointments online. For their startup they interviewed 120 candidates and selected 20 from different universities and I was one of them. Working at health wire not only polished my intellectual skills but also gained some key experience.

PROJECTS

DC Generator   1st Semester/1st Year

- This project was given in a course called Physics for Engineers which involved making a DC generator. This was done by using permanent magnets and a movable armature.

Tick Tack Toe   2nd Semester/1st Year

- This game was given as a project in first course of programming that had to be implemented in C++

Digital Clock   3rd Semester/2nd Year

- Digital clock was given as a project in Digital logic design course. This was made on a bread board and implemented using timer's IC's. The display was shown on LCD.

Shopping Management Program   3rd Semester/2nd Year

- This project was given in object oriented programming. The program included complete shopping system from storing the items in database to managing sales of a certain store.

Audio Amplifier   3rd Semester/2nd Year

- Implemented using TR 3001, a BJT amplifier was a hifi amp that was made on a Vero board.

Solar powered automated irrigation and agricultural system   Final year

- Our FYP is based to facilitate the farmers along with to conserve water and energy. This system would constantly monitor the soil moisture, PH level, soil nutrients of the land and would give real time display of data on mobile device. This would help the farmers to gain maximum yield from their land. It also automates the irrigation by supplying specific amount of water to different lands according to the crops being cultivated.

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SKILLS

- I am an enthusiastic person who is always eager to learn new things.
- I have command on C++ programming.
- Excellent skills in AutoCAD.
- I have programmed Micro-Controllers in both C and Assembly.
- Basic understanding of RTOS e.g. SALVO with its integration on PIC18f452.
- Some experience in ANDROID development in JAVA.
- Command on Data Structures and Algorithms (C++)
- Clear concepts of electronics.
- Sharp Skills in Database management systems e.g. SQL Server and its integration with web based application.
- Excellent communication skills
- I know how to work in a group as I have done some internships.
- Excellent technical writing skills.
- Proficient skills in Micro-Controller programming.
- Punctuality and Time management are my key to success.

INTERESTS

- Very fond of cricket. I was the captain of my school cricket team.
- Socializing with new people.
- Swimming
- Computing. I am always in search of new articles about new technology
- Football
- Photography, I love capturing moments.
- Parliamentary debates.
- Public Speaking.

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