AHMED YAHYA

House# 2-A, OFF Canal View,

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CAREER SUMMARY:

A highly energetic and ambitious individual, with a record of managing different events from concept to completion and demonstrating exceptional communicational skills, in pursuit to gain experience and knowledge by working with leading organizations. With an enthusiastic nature, creative personality, leadership qualities, good management skills and educational background in Electrical Engineering, intrigued to seek involvement in the field of Electronics and inclined to play my part to make the world a better place by being the best version of myself.

EDUCATIONAL BACKGROUND:

Bachelors of Electrical Engineering (September 2014-June 2018)
Major field of study – Electronics Engineering
Department of Electrical and Computer Engineering, Air University, Islamabad, Pakistan

WORK EXPERIENCE:

26th July 2017 - 20th September 2017: Internship in Space and Upper Atmosphere Research Commission (SUPARCO)

October 2016: Conducted a workshop on "Introducing Sustainable Energy Related Technology" to School Students.

FINAL YEAR PROJECT:

I achieved to make a futuristic raspberry pi 3b based "SMART MIRROR" that uses

- Web service communication mechanisms to gather information such as date, news headlines, weather updates and local time as per the location and displays it on a mirror in a beautiful manner.
- Image Processing and Computer Vision techniques to identify the user facing the mirror and hence greeting the user through display.
- Image processing and gesture recognition techniques to control the different appliances of the room.

Achieved first position in Open House Electrical Engineering (Electronics) 2018 by presenting our Final Year Project "Smart Mirror".

PRACTICAL PROJECTS:

- Implementation of Finite-Difference-Time -Domain (FDTD) form of Wave Equation on FPGA Spartan 3 Kit using Verilog HDL as programming language.
- 89C51 Microcontroller based HEX calculator
- Home automation via HTML page using Arduino Mega and ESP8266.
- Stop watch using Counters and 555 Timer integrated Circuits with 7- segment display.
- Centre tapped step down Transformer with 220V 50Hz input and 150V 50Hz output voltage.
- Temperature Controlled DC Fan using Temperature Sensor (negative coefficient thermistor) and operational amplifiers.
- Low frequency Equalizer
- SCR circuits AC and DC
- Sound Amplifier

COMPUTER SKILLS AND LANGUAGES:

- Python
- C++
- C
- Assembly
- Verilog

- VHDL
- MATLAB
- PSPICE
- Proteus

PERSONAL ATTRIBUTES:

- **Mother tongue-** Urdu
  Other languages- English
- Good management skills and leadership qualities gained by organizing and managing different events and conferences.
- Good communicational skills gained by hosting international Conferences, Seminars and other events.
- Enthusiastic and creative and can work under pressure to meet the given deadlines.

CERTIFICATIONS AND ACHIEVEMENTS:

- Achieved first position in open house in Air University.
- Achieved an award for best management for managing a crowd of 2500+ and a budget of 20lacs.
- Organized and hosted International Multi Topic Conference (INMIC'16)
- Organized many successful events within university as a President of Air University Music Society.
- Department head of Air University and made the department stand out in every event.
- Financial head of Air University Cultural Society
- Head organizer of Air Nexus'16 (First Olympiad of Air University) and Air Nexus '17
- Hosted and organized many events in Air University.