

Muhammad Rafay Akhter

Electronics Engineer

I am seeking a competitive and challenging environment where I can serve an organization and establish an enjoyable career for myself.



rafayakhter@gmail.com

0312-2622330

A-102, Block-13D, Gulshan-e-Iqbal, Karachi, Pakistan

linkedin.com/in/muhammad-rafay-akhter-772a73123

WORK EXPERIENCE

Intern

Data Communication And Control

06/2017 – 08/2017

Karachi

Energy Meters Project

- Achieved the Serial Communication between Energy Meters and NRU in Noisy Environment using GSM module.
- Implemented Smart Energy Meters using Raspberry pi 3B

Contact: Yasmin Salim – yasminsalim786@gmail.com

Intern

Siemens Pakistan

06/2016 – 07/2016

Karachi

Health, Safety And Energy Conservation Project

- Researched and Presented the National Quality Standards For Municipal And Liquid Effluents, Industrial Gases and Drinking Water to the assigned team heads which leads to the safety of Environment and human Health
- Optimized number and positions of Electrical components which led to Energy Saving by 8%.
- Conducted campaign to make the factory workers aware about the health measures to be taken while working.

Contact: Muhammad Amad Uddin – Muhammad.amaduddin@siemens.com

EDUCATION

Bachelors in Engineering Sciences

Ghulam Ishaq Khan Institute

08/2014 – 06/2018

Specialization

- Modelling And Simulation
- Data Modelling and Control System Simulation

GCE Advanced Level

St. Patricks High School

2012 – 2014

Karachi

Courses

- Engineering

GCE Ordinary Level

Beacon House School System

2009 – 2011

Karachi

Courses

- Engineering

SKILLS

C++

Verilog

Matlab

Proteus

AutoCAD

Linux

Labview

Arduino

Raspberry Pi

AVR

8051

Creo Parametric

PROJECTS

Autonomous Fire Fighting Robot (10/2017 – 04/2018)

- Image Processing which was Implemented on Raspberry pi 3B
- Tracks the fire using Arduino which was the control system.
- Fire is extinguished using Water.

Home Alarm System (11/2016 – 12/2016)

- Used GSM module For Communication
- Implemented on Arduino

Fire Alarm (11/2016 – 12/2016)

- Circuit was designed on Proteus and Implemented on PCB
- Thermistor was used to detect the Fire

Student Data Base (03/2016 – 04/2016)

- Data Structures Project to conserve data
- AVL trees were used for designing of the code on C++

Library Database And Book Recognition (11/2015 – 12/2015)

- Implemented on Xilinx

HONORS AND ACHIEVEMENTS

Vice President of FES Mentoring Council

Revamped the whole council body by taking interviews of the new candidates and led the team of 12 members to Conduct Educational Workshops and Courses Tutorials for Students.

Director Marketing Of Association Of Computing Machinery

Conducted Softcom 17 as a Liaison and Sponsorship head and achieved to generate a revenue of PKR 0.75 million by calling 250 participants and PKR 0.2 million by getting a food sponsor. Conducted Softcom 18 by leading 60 members of the society and achieved International ICPC event with 200 participants.

Awarded Silver Medal in O-Levels by Beaconhouse School System.

LANGUAGES

English



Urdu



Pashto



INTERESTS

Books

Cricket

Electronic Gaming