



SUHAIRA ALI KHAN

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Education

NED UNIVERSITY OF Engineering & Technology (CGPA-3.799) <i>Bachelors in Telecommunication Engineering</i>	Karachi, Pakistan 2016-2020
Khatoon-e-Pakistan Govt DEGREE college for women (A-1 Grade) <i>HSC in PRE-Engineering</i>	Karachi, Pakistan 2014-2016
The Educators Gulshan campus III (A-1 Grade) <i>SSC in Group Science</i>	Karachi, Pakistan 2013-2014

Professional Experience

AMAL ACADEMY Lahore, Pakistan
Career-Prep Fellow: February 2020 – May-2020

Completed a competitive written application and interview process to be selected from over 4500 applicants for intensive 3-month Fellowship funded by Stanford University

- *Skills development:* Communication, leadership, problem solving, teamwork, etc.

METRO1 NEWS MULTI PLUS CORP.(PVT) LTD Karachi, Pakistan
POSITION INTERN:(September 2019-October 2019: two-weeks)

PAKISTAN INTERNATIONAL AIRLINES Engineering & Maintenance Karachi, Pakistan
POSITION INTERN: (August 2019– September 2019: two-weeks)

My work was to observe and learn about telecommunication systems installed on aircraft systems.

Academic Experience

PROJECT SMART METERING USING POWERLINE COMMUNICATION TECHNOLOGY Karachi, Pakistan

The concept of Powerline communication is the ability to connect a device to the network wherever there is an electrical outlet to transmit data simultaneously along with electricity over the AC lines. This saves the cost of installing extra cables for transmitting data without any additional cost to electric bills.

Time period: October 2019– September 2020

- The objective is to demonstrate that both data of electricity consumption and electricity can be transmitted simultaneously using the existing cable wirings in our house or high extension lines from PMT(Pole Mounted Transformer) to our homes and from our homes to the main Electric Board Office without any need of installing extra cables or using any other specific wired or wireless device for this purpose
- Powerline networking is especially useful when wireless access points cannot be used or cannot reach all devices (especially in case of in-home communication).

Extracurricular & Volunteer Experience Karachi, Pakistan

- *Served as a member in team of event management (2017-2018) of IEEE NED COMPUTER SOCIETY*
- *Volunteered as member of team management at International Conference (Emerging trends in Telecommunication & Electronic Engineering) in 2017.*

Honors and Awards

AWARDS AND CERTIFICATIONS Karachi, Pakistan

- Received merit-based Laptop Award under Prime Minister Laptop scheme
- Certification Course of CCNA Routing & Switching (Training in process)

Additional

- *Technical Skills:* MATLAB, Multisim Simulink, Microsoft office, Software Proteus, Cisco Packet Tracer, C-programming language.
- *Interests:* Learning more programming languages, Reading research articles of latest innovations in telecommunication technology.
- *Language:* English, Urdu
- Completed Probot Robotic Arduino Course Sponsored by Edvon
- Completed 20 Hours credit Beginner basics course on Raspberry pi Sponsored by Hackerspace

Reference

Will be furnished upon request
