Rana Mohammad Fahad Aziz

Tel No: +923041437422 **Email:** ranaaziz.bete51@students.mcs.edu.pk

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EDUCATION:

Institute: National University of Sciences & Technology – Islamabad, Pakistan.
Degree: BE Electrical Engineering (2014-18)

Institute: Government College University – Lahore, Pakistan.
Degree: Higher secondary School Certificate (2012-14)

WORK EXPERIENCE:

- Summer Intern at **Pakistan Telecommunications Company Limited** from July- August 2017.
    - Maintained and tracked skills for each individual team member.
    - Worked in the department of Transit and GPON, learned NGN.
- Summer Intern at **Supernet Limited** Pakistan from July-September 2016.
    - Worked in Management Department, managing the records of costumers which were mainly B to B.
    - Learned different types of management skills under different management departments.
- Head External Relations at **NUST Telecom Society** from January 2015- Present
    - Developed training and trained junior batches and society members on processes of external relations.
    - Helped in organizing the events held at university.

PROJECTS:

- **InLine** An intelligent stick for blinds to avoid obstacles using IR sensors
- **SAP1** Making and understanding ALU and Registers
- **Smart Sense Switch Board** a ML based smart switch for energy control and monitoring (Final Year Project)
- **AVOIDit** a robot that avoided any object in its path using IR sensors
- **MOVEon** a robot using SONARS able to move and rotate at 360 degrees using android app.
- **AES Encryption** done using MATLAB
- **Project Charter, WBS and RAM** using Microsoft Project

COURSES & CERTIFICATIONS

- Certified Microsoft Office Specialist **(Microsoft Office)**
- Introduction to Python **(Weselyan University)**
- Machine Learning with Andrew Ng **(Stanford University)**
- CompTIA Security+ SYO401 **(Keith Barker)**
- Backtrack and Kali Linux **(Keith Barker)**
- Learn How to Learn **(University of California)**

SOFTWARE IDEs USED:
- MikroC, Keil (8051/2, ATmega16/32)
- LabView
- Borland,Visual Studio
- AutoCad
- Anaconda (Spyder), Entropy
- Arduino
- Digilend Scopes
- Microsoft Office
- Ninite , TeamViewer

PROGRAMMING SKILLS:
- Python
- Matlab
- C/C++

Co-Curricular & AWARDS:
- Attended an International Conference on latest communication technologies **ComTech** held at NUST.
- Training on Ethical Hacking in **ComTech.**
- Merit Based Semester Scholarships worth PKR 35000/- per semester.
- **Best Speaker**, Declamation Contest held at Aitchison College Lahore.
- Award in **inter NUST Declamation.**
- More than 15 **awards and Shields** in secondary and higher secondary school.
- **Talent Award** by SAFE Foundation, Islamabad.