

FAWAD AHMAD

Electrical & Electronics Engineer

✉ fawad8ahmad@gmail.com
📍 Islamabad, Pakistan

☎ +92 314 5918567
🐦 Fawad8ahmad

✉ Flat 02, I&T Center, Block No:29, Street: 55, G-9/4
🌐 www.linkedin.com/in/fawad8ahmad



RESEARCH INTERESTS

- Wireless Communications.
- Channel Modelling & Propagation.
- MIMO Systems & IoT.
- Machine Learning.

PROJECTS

Final Year project:

Home Appliances Control & Temp/Humidity Updates through Android Application.

The main features project of this project was

- Arduino Mega
 - GSM Module
 - Android App and Sensors
- In this project, a GSM module, connected to Arduino Mega, was used for two-way communication to control various home appliances from android phone around the globe without internet facility.

Semester Projects:

- Micro controller based water level detector and controller
- Automatic street light ON/OFF system
- Regulated power supply

RESEARCH PUBLICATIONS

Multi Ray Channel Modelling for the Communication Network of Flying Things.

(Submitted to IEEE Transaction on Wireless Communication - 1st author)

CERTIFICATIONS

- Machine Learning. IBM Coursera - Online
- Introduction to Data Science in Python. University of Michigan Coursera - Online
- Machine Learning Foundations: A Case Study Approach: University of Washington, Coursera (In Progress)
- Seminar on RF and Micro Wave application on 22/12/2016 NUST
- Workshop on Cellular Communication System in CECOS

ACADEMIC ACHIEVEMENTS

- 2nd Prize Winner - Final Year Project 7th National Disaster Management Exhibition at UOP
- Winner of National ICT R&D Fund - Final Year Project
- Got laptop under Prime Minister Youth Laptop Scheme
- Dean Honor Award - Master
- Need-Based Scholarship Al-Khidmat (Local Organization)

EDUCATION

Master in Electrical Engineering

Capital University of Science & Technology

📅 2018 - 2022 📍 Islamabad, Pakistan

Research Thesis

Multi Ray Channel Modelling for the Communication Network of Flying Things.

Bachelor in Electronics

University of Peshawar

📅 2011 - 2017 📍 Peshawar, Pakistan

Final Year Project

Home Appliances Control & Temp/Humidity Updates through Android Application.

TECHNICAL SKILLS

Software's

- MATLAB Python LaTeX
- PLC Simulators Orcad (PCB Designer)
- C++ (Computer Programming Language)
- Complete Experience over Computer Software Web Exploring, and software installation

Hardware's

- Circuit Designing Arduino-based Project Micro controller-based projects
- Practical experience in interfacing computer with many hardware (Outside environment)

EXPERIENCE

Team Lead and Microwave Engineer

Spine Engineering Pvt

📅 07/2019 - 11/2019 📍 Islamabad, Pakistan

Responsibilities:

- Good knowledge and practical experience in installing Huawei RTN Optiox 600 and 900 Series Radio Link Commissioning and mounting (1+0 & 1+1).
- Installation of new Microwave links & dismantling existing Microwave links.
- Performing EHS and QC.
- Dealing with customers regarding the acceptance of work & quality of service done at the site. (ATP).

LANGUAGES

English
Urdu
Pashto



SOCIAL ACTIVITIES

- **Member of Islamabad Run with Us (IRC)**
Organizes different jogging and health-related activities to encourage people to adopt a healthy lifestyle

- **Member of Positive Pakistan**
Arrangements of various events including outdoor education, cleaning environment campaigns, and activities to achieve sustainable development and women's empowerment

REFERENCES

- References will be provided on demand

- Worked in morning, afternoon and night shifts. Managed Team's accommodation, food, and traveling cost within the allocated budget during telecom field activities.

CAMPUS LEADERSHIP

President

Electronics Club

📅 2013

📍 2015

- Gave my full efforts to Electronics Club as an elected President for two years.
- Successful Arrangements of Annual Electronics Project Exhibition, Annual Sports gala, Departmental tours and other extra-curricular activities.