



**Ibtihal Ahmed**  
**Telecom Engineer**

## Work Experience

---

### Research Assistant

American University of Sharjah, Sharjah - UAE | Oct 2019 - Sep 2020

Project: Wireless Electric Vehicle Charging

Area: Communication (VANET network)

Responsibilities:

- Perform literature review on topics related to the area of research.
- Conduct simulations and lab experiments.
- Analyze research results and summarize findings.
- Prepare presentations and manuscripts for publications.

### Graduate Teaching Assistant

American University of Sharjah, Sharjah - UAE | Aug 2017 - Jun 2019

- Provide assistance to instructors with undergraduate labs.
- Evaluate and grade assignments and lab reports.
- Proctor tests and exams.

### 3G Post Processing Engineer

Sudani MS project (payroll for STS Co. LTD), Khartoum - Sudan | Aug 2015 - Aug 2017

- Prepare network performance daily report (3G network KPIs).
- Analyze logfiles and diagnose RF related problems in 3G such as bad Ec/No and RSCP, drop call, HO failure and pilot pollution.
- Neighboring audit and FP.
- Site verification.
- Overshooting project.

### Teaching Assistant

University of Khartoum, Khartoum - Sudan | Nov 2014 - Dec 2015

- Supervise and prepare lab experiments.
- Evaluate and grade assignments and lab reports.
- Prepare tutorials and lead discussion in tutorials sections.
- Prepare and proctor tests and exams.

## Education

---

### Master of Science in Electrical Engineering

American University of Sharjah, Sharjah - UAE | Aug 2017 - Jun 2019

Graduation Project: Video Streaming over D2D Network.

CGPA: 3.87/4.

### Bachelor of Science in Electrical and Electronics Engineering

University of Khartoum, Khartoum - Sudan | Oct 2009 - Nov 2014

Graduation Project: Android based Drive Test Platform for Cellular System.

CGPA: 8.47/10.

## Honor Awards

---

Khartoum University's prize for the best academic performance in department of electrical and electronic engineering.

## Conferences

---

### ITEC Conference, Chicago - USA | Jun 2020

Study of the Feasibility of Using Microwave Power Transfer for Dynamic Wireless Electric Vehicle Charging.

### ICCSPA Conference, Sharjah - UAE | Mar 2019

A Resource Allocation based Mode Selection Scheme in D2D Communication.

### ICCNEE Conference, Khartoum - Sudan | Sep 2015

Android based Drive Test Platform for Cellular System.

## Publications

---

**Video Transmission using Device-to-Device Communications: A Survey.**

**A QoE-Aware Mode Selection Framework for Video Streaming in D2D Networks**

**A QoE-based Framework for Video Streaming over LTE-Unlicensed**

## Training

---

**Huawei Technologies | Aug 2013 - Sep 2013**

## Volunteer Work

---

**Takaful | 2010 - 2014**

Member

## Skills

---

### Technical Skills:

- Circuit Design Simulators: Pspise, Multisim, ADS.
- U 2000, TEMS investigation, Actix, MapInfo.
- MATLAB, NS3.
- MS Office.

### Personal Skills:

- Time management.
- Work under pressure.
- Able to work individually or as a dedicated member of team.
- Problem solving.
- Seeking to gain experience.

## Contact

---

**Phone:**  
+249903334111

**Email:**  
ibtihalmohamedsc@gmail.com