

Moustafa Abdelnaby

AI • DATA SCIENCE • EDUCATION • RESEARCH

DUBAI, UNITED ARAB EMIRATES (UAE)

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EDUCATION

- 2016 – 2018 American University of Sharjah (AUS)**
Sharjah, UAE **M.SC. ELECTRICAL ENGINEERING || GPA: 3.90 / 4.00**
Master Thesis: Behavioral Modeling of RF Power Amplifier Using Reduced Sampling Rate
Awards: Abdulla Al Ghurair Foundation for Education Scholarship based on demonstrated academic achievement and leadership potential
- 2012 – 2016 American University of Sharjah**
Sharjah, UAE **B.SC. ELECTRICAL ENGINEERING || GPA: 3.73 / 4.00 || MAGNA CUM LAUDE**
Honors: Dean's List (Fall 2012 – Fall 2014, Fall 2015); Chancellor's List (2012 – 2013, 2013 – 2014)

WORK EXPERIENCE

- 2016 – Present Federal Electricity & Water Authority (FEWA)**
Ajman, UAE **CONNECTION SUPERVISOR**
- Analyzes Technical Master Data (TMD) for all new Electricity connections in Ajman and provide technical reports in SAP in a daily and quarterly basis of the overall performance and recommendations to reduce errors and increase revenue
 - Evaluates the data and problems associated with the Emergency Section in a daily basis in order to improve the responding time and reduce the errors in the future

CERTIFICATES

- Jan 2019 – Present **Data Scientist Track, [DATACAMP](#)** (completed 11 courses out of 22)
Nov 2018 **Data Analyst Track (One Million Arab Coder Initiative), [UDACITY](#)**
Apr 2018 **Full-Stack Web Developer (One Million Arab Coder Initiative), [UDACITY](#)**
Dec 2015 **Fundamentals of Engineering (FE)**

ACHIEVEMENTS & AWARDS

- April 2019 Participated in the **Arab Youth Startup Marketplace** with my startup Tameny, which is a mobile app that analyzes patient's symptoms using AI, as one of the 100 aspiring startups in the Arab region
- Feb 2019 Awarded with two projects, Organic Chain & Tameny, in the 100 Inspiration Ideas Awards at **Hackathon UAE 2.0**.
- Feb 2018 Selected to represent AUS at the **Shaping Future Governments Global Universities Challenge** at the World Government Summit, which invites top graduate schools to develop creative and innovative solutions to complex governance problems.
- Feb 2018 Won the first place at **Hackathon UAE** with the project SILSILA, which is a platform to verify educational certificates for home-schoolers and online courses using Blockchain technology.
- Jul 2017 Selected to be part of the team to represent FEWA at the **UAE Government Accelerators** challenge to reduce the average time required for the process of electricity connections by 25%.

ACADEMIC PROJECTS

- Dec 2016 Gender Recognition System, [ELECTRICAL ENGINEERING DEPARTMENT \(AUS\)](#)**
- Implemented feature extraction for the an image dataset using Raw, PCA, LDA, and Random Feactures
 - Performed classifications using Nearest Neighbors, k-Nearest Neighbors, Decision Trees, and Neural Networks

PUBLICATIONS

M. Abdelnaby, O. Hammi, "Comparative Analysis of Single-Box and Two-Box RF Power Amplifiers," in *4th International Conference on Electrical, Electronics and System Engineering (ICEESE)*, 2018, pp. 44-48.



SKILLS

Programming

- ❖ Python ●●●●●●
- ❖ SQL ●●●●●●
- ❖ MATLAB ●●●●●●
- ❖ C++ ●●●●●●
- ❖ Microsoft Office ●●●●●●

Data Science

Pandas, Numpy, Matplotlib, Seaborn, Bokeh, Scikit-learn, Keras

Leadership

- ❖ Peer Leader, Student Leadership Program, AUS (2014)

Languages

- ❖ Arabic (Fluent)
- ❖ English (Professional)

EXTRACURRICULAR ACTIVITIES

- ❖ **Engineers Without Borders (AUS)**

GENERAL COORDINATOR

Coordinated club events and activities, including Hills Foundation humanitarian project in Sri Lanka

- ❖ **Egyptian Cultural Club (AUS)**

ACTIVITY SUBCOMMITTEE

Supported board members in planning events and activities throughout the academic year