Mohammed Nasser

"What we consider a fact is just an approximation of the mind to fill gaps" - Michio Kaku

Personal Information

Birth Date	1/5/1993
Full Name	Mohammed Mahmood Abdulwahab Nasser
Address	Mevlana Mah. Ikbal Cad. Block No:10/4 ,Kayseri,Turkey
Email	momaabna@gmail.com
Nationality	Yemeni

Education

2019 — **2022**, *Master in Geomatics Engineering*, Erciyes University, Kayseri,Turkey.
Excellent

2012 — **2017**, *Bachelor(honor) in Surveying Engineering*, University Of Khartoum, Khartoum.

13/12/2014 — **24/01/2015**, *Professional Training in Automation (Classic Control - PLC Basic And Advanced Application - Scada)*, Jelecom, Khartoum.
Excellent

17/8/2015 — **1/9/2015**, *Course in MicroControllers Basic Application*, Training And Self-Assessment Department-Sudan University of Scince and Technology, Khartoum.
Excellent

21/11/2015 — , *Workshop in Cloud Computing*, IEE Sudan, Khartoum.

16/04/2017 — **29/04/2017**, *Course In Machine Learning*, IEE Sudan, Khartoum.

Experience

Vocational

2018 — **2019**, *Teaching Assistant* , Surveying Engineering Department, Faculty of Engineering ,University Of Khartoum.

Miscellaneous

1/5/2015 — **1/5/2016**, *Head Of Cultural Department Of the Yemeni Student Union in Sudan*, Yemeni Student Union In Sudan, Khartoum.
(1 Year)

Kayseri – Talas Mavlana Mah. – Ikbal Cad.
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Published Works

- Al-Shaebi, Zakarya, Fatma Uysal Ciloglu, **Mohammed Nasser**, and Omer Aydin. "Highly Accurate Identification of Bacteria's Antibiotic Resistance Based on Raman Spectroscopy and U-Net Deep Learning Algorithms." ACS omega (2022).
- **Nasser, Mohammed**, Atasever,Ümit Haluk. "Estimation of Initial Parameters for 3D Similarity Transformation with Evolutionary Search Algorithms" XI.Turkish National Photogrammetry and Remote Sensing Union Technical Symposium (TUFUAB2022), 2022.
- Al-Mujtaba, Mohammed, **Nasser, Mohammed**, et al. "In Efficiency of New Horizontal Barcoded Staff Coding and Automatic Leveling Measurement." 2019 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE). IEEE, 2019.
- **Nasser, Mohammed**. "Automatic Road Digitizing of Segmented Aerial Images for Urban Areas Based on K-means and Hough Transformation." 2018 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE). IEEE, 2018.

Languages

Arabic	Native
English	Advanced Level
Turkish	C 2

Computer Skills

Programming Languages

C++	Good
Python	Excellent

AI Programming Skills

Python	Numpy, Scipy, Sklearn, Tensorflow, Keras, Pytorch

Image Processing and Computer Vision Programming Skills

Python	Opencv
C++	Opencv
Matlab	Image Processing Essentials

Geo-spatial Programming Skills

python	GEE, Geopandas, Folium, ArcPy
Javascript	GEE, OpenLayers

Other Computer Skills

Web Dev.	HTML, CSS, Javascript, PHP, Python Flask
Embeded Sys.	MicroController, Arduino, Rasperry Pi
Math. Env.	Matlab, Octave
Windows	Batch scripting

Linux	Bash Scripting
Softwares	Autocad 2D and 3D, ArcGIS, QGIS,Surfer,Agisoft Photoscan,Erdas Imagine

Interests

Artificial Intelligence and Neural Networks

Modeling, Automation, and Optimization

Last Projects

Thesis

○ Road Identification from Satellite Imagery Using Deep Learning
  $MasterThesis$
○ Evaluation Of The Georeferencing Quality Of Landsat 8 Over Khartoum State
  $BachelorThesis$

Under Publication

○ Global Geoid Correction Using Convolutional Neural Networks
  $UnderPublication$

Open Sources

○ Tracker: PHP Covid-19 Health Management System .
  $VolunteerWork$
○ X-ray Pneumonia Detection Online Service .
  $VolunteerWork$
○ Vehicle Counter and Classifier .
  $OpenSourceProject$
○ Centroid Calculator For Irrigular bodies
  $UniversityProject$