

# AMGED ELSHEIKH ABDELGADIR ALI

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## Summary

A second-year master's degree student at Tohoku University Department of Robotics. interested in robotics, Data science, and A.I. Current research is investigating Deep Learning algorithms efficiency in estimating knee and ankle moments, based on a human's base data collected from experiments. The final goal is to build a system that can predict the moments in online setups.

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## Work History

01/2019 Engineering Trainee Business Development | OLGA Engineering Industries.  
08/2019 Full time trainee - *Khartoum, Sudan*  
11/2017 Assistance Tutor | University of Khartoum.  
12/2018 **1-year national service** - *Khartoum, Sudan*

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## Education

10/2020 **IMAC-G** program - Master's Degree Department of Robotics Graduate School of Engineering  
09/2022 Tohoku University - *Miyagi, Japan*  
10/2019 Research Student, Department of Mechanical Engineering  
09/2020 Tohoku University - *Miyagi, Japan*  
10/2012 B.Sc. Honor's First Class CGPA: 7.18/10, Mechanical Engineering Department  
11/2017 University of Khartoum - *Khartoum, Sudan*

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## Courses & Certifications

01/2022 JLPT N3  
10/2021 TOEIC Listening and reading (score: 920 point)  
06/2021 IBM Data Science Specialization  
10/2020 Deep Learning by DeepLearning.AI

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## Skills

- **Programming languages:** Python (Proficient), HTML&CSS (Basics knowledge), SQL (Basics knowledge)
- **Frameworks and tools:** TensorFlow (Proficient), MS-office (Proficient)
- **Languages :** Arabic (Mother language), English(Native level), Japanese (Conversational level)

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## Projects

### Choosing Cafe location based on NYC Airbnb data ([link here](#))

I used [Kaggle](#) Airbnb 2019 dataset and Foursquare API to find proper locations to open a new cafe/coffee shop in New York City. I visualized data using the Folium library. The whole project was built in Jupyter notebook using Python3.