

# MUSTAPHA ABDULLAHI

Espoo, Finland

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🌐 <https://mustious.github.io>

🔗 [mustious](#)

🌐 [Mustapha Abdullahi](#)

## EDUCATION

### Aalto University

*PhD in Computer Science*

April 2024 - Present

*Espoo, Finland*

### Queen Mary University of London

*MSc Artificial Intelligence [Computer Vision and Robotics] - Grade: 80% (Distinction)*

Sept. 2022 - Sept. 2023

### Ahmadu Bello University

*BEng Computer Engineering - CGPA: 4.90/5.00 (First-class)*

Oct. 2015 - Nov. 2021

*Zaria, Nigeria*

## INDUSTRY EXPERIENCE

### QuantumBlack AI Labs (McKinsey & Company)

Oct. 2023 - Jan. 2024

*Software Engineer Intern*

*London, U.K.*

- Developed a one-click CLI tool for effortless deployment of **Kedro** projects on **Databricks** Platform.
- Implemented essential client study feedback as integral components within software production pipelines.

### Play4Work

Feb. 2021 - Mar. 2022

*Chatbot Developer*

*Canada (Remote)*

- Collaborated with a team of 5 to design conversation mappings required to build an interactive chatbot with Google Dialogflow, reducing 60% of the company's workload of candidate's job matching.

### Huawei

Jan. 2020 - Feb. 2020

*Big Data/Cloud Intern*

*Lagos, Nigeria*

- Performed Data Analysis of Smart IoV solution with over 400,000 data points utilizing HiveQL for offline analysis, Apache HBase for real-time query and retrieval and Spark-SQL to migrate the offline analysis service.

## RESEARCH EXPERIENCE

### Large-Scale Data & Systems (LSDS), Imperial College London

June 2023 - Aug. 2023

*Research Intern [Master's Thesis] (Advised by: Prof. Bo Zhao & Prof. Peter Pietzuch)*

*London, U.K.*

- Evaluated tradeoffs among three distribution policies of MindSpore Distributed RL.

## SELECTED AWARDS & ACCOLADES

- Finland Fellowship [for doctoral studies at Aalto University] - Dec. 2023
- Best Graduating Engineering Student in Nigeria, NSE (Nigerian Society of Engineers) - Dec. 2022
- Google DeepMind Scholar - Aug. 2022
- QuantumBlack (McKinsey Company)/Office of AI Scholar - Aug. 2022
- Best ICT Competition Instructor, Huawei ICT Competition Sub-Saharan Africa - Apr. 2022
- Grand Prize Winner, Huawei ICT Competition Global Final - Cloud Track - Nov. 2020

## PUBLICATIONS

- [1] Mustapha, A.J. 2021. *An Artificial Intelligence of Things (AIOT) based Assistive Smart Glass for the Visually Impaired*. [Poster Presentation]. Department of Computer Engineering, Ahmadu Bello University, Nigeria. [🔗](#)

## VOLUNTEERING

### Arewa Data Science Academy

Feb. 2023 - Present

*Machine Learning Mentor*

*Nigeria*

### Ahmadu Bello University

Feb. 2018 - Apr. 2021

*Tutor - Control Engineering (COEN303, COEN407, COEN507)*

*Zaria, Nigeria*

## TECHNICAL SKILLS

**Programming Languages:** Python, Scala, C++, MATLAB,  $\text{\LaTeX}$ , ROS

**ML Frameworks:** PyTorch, Tensorflow, Keras, Kedro, Apache-Spark, Scikit-Learn, XGBoost

**Cloud Services:** GCP, AWS, Databricks Platform, Huawei Cloud Platform

**Operating System:** Linux (Ubuntu, Cent OS 7.\*), Windows