






# Ahmed ALMIJBARI

## Elite MSc Student | Research Intern

 [ahmedalmijbari.github.io](https://github.com/ahmedalmijbari)    [ahmed.almijbari@tum.de](mailto:ahmed.almijbari@tum.de)    [AhmedAlmijbari](#)    +49 163 1952422  
 Felsennelkenanger 7 • 80937 Munich

I am a master's student of the ENB Elite MSc program in Neuroengineering at the Technical University of Munich, with an academic focus on promoting machine learning, data science and computational models in brain science/engineering.

## EDUCATION

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| 2023 | <b>Elite MSc in Neuroengineering</b> , Technical University of Munich.   |
| 2017 | <b>BSc in Electrical Engineering</b> , University of Benghazi.<br>GPA : 3.95 out of 4. Thesis : EMG-Based Prosthetic Hand. |
| 2012 | <b>High School Degree of Engineering Science</b> , Secondary School of Engineering Science.<br>Overall : 97.93%.           |

## EXPERIENCE

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| Current<br>Oct 2022  | <b>Research Intern, THE NEUROIMAGING CENTER AT THE TECHNISCHE UNIVERSITÄT MÜNCHEN, Munich</b><br>Dynamics of Brain Connectivity Lab <ul style="list-style-type: none"><li>➤ Investigating the dynamics of neural information processing of the brain during the emergence of cognitive functions.</li></ul>          |
| Oct 2021<br>May 2021 | <b>Research Intern, TECHNICAL UNIVERSITY OF MUNICH, Munich</b><br>Ondracek Lab <ul style="list-style-type: none"><li>➤ Investigating learning and memory consolidation in the hippocampus.</li><li>➤ Worked on Real-time Sharp wave ripple detection and stimulation.</li></ul>                                      |
| Dec 2018<br>Sep 2017 | <b>Teacher Assistant, UNIVERSITY OF BENGHAZI, Benghazi</b> <ul style="list-style-type: none"><li>➤ Teaching tutorial lectures on Electromagnetic Theory and Digital Communications.</li><li>➤ Participating in research frameworks and topics, such as Signal Processing and Intelligent system modelling.</li></ul> |
| Nov 2017<br>Aug 2017 | <b>RF Engineer, MANART ALMUTAWASIT COMMUNICATIONS, Benghazi</b> <ul style="list-style-type: none"><li>➤ Worked on Drive-Test processes for the Nokia H+ project.</li><li>➤ Contributed to post-processing data field analysis</li></ul>  |
| Nov 2017<br>Aug 2017 | <b>Summer Intern, ALMADAR ALJADID, Tripoli and Benghazi</b> <ul style="list-style-type: none"><li>➤ Annual Internship, by the R&amp;D dept, for the top 30 university students around the country.</li></ul>   |
| Aug 2016<br>Jun 2016 | <b>Student Intern, HATIF LIBYA, Benghazi</b> <ul style="list-style-type: none"><li>➤ Internship on RF, microwave, and CDMA components through concepts and practice.</li></ul>   |

## SKILLS

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| <b>Programming</b>   | Python, MATLAB, Julia.   |
| <b>Computational</b> | <b>Machine Learning/Data Science</b> (Numpy - Pandas - sklearn - Pytorch)<br><b>Neuroimaging</b> (FSL - SPM)<br><b>Software</b> : Arduino - Git - CI - $\text{\LaTeX}$ - Linux   |
| <b>Mathematical</b>  | Signal Processing - Large-scale Modelling and Data Analysis - Machine Learning - Probability Theory and Statistics - Dynamical Systems - Numerical Methods - Information Theory. |

## CIVIL SOCIETY ACTIVITIES

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Dec 2018 Jan 2018	<b>Scientific Collaborator, TANAROUT ORGANIZATION, Benghazi</b> <ul style="list-style-type: none"><li>&gt; Co-Founded and led the Science Club.</li><li>&gt; Gave talks and organized discussions about various scientific topics.</li></ul>
Dec 2017 Jan 2017	<b>Co-founder, BUILDING READERS PROJECT, Benghazi</b> <ul style="list-style-type: none"><li>&gt; Worked on engaging the top 50 students across Benghazi in reading activities.</li></ul>
Dec 2018 Oct 2015	<b>Co-founder and IT manager, LIBYA ALWATAN MEDIA FOUNDATION, Benghazi</b> <ul style="list-style-type: none"><li>&gt; Managing the IT department during the Libyan upspring.</li><li>&gt; Designed Libya Alwatan Newspaper and Alhawraa Magazine.</li></ul>

## DISTINCTION

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Member	<b>Elite Network of Bavaria.</b> “The Bavarian state ministry of science and the arts initiative to support the outstanding talents at Bavarian universities.”
Scholarship Holder	<b>Rheinstahl Stipendium.</b> “The Rheinstahl Foundation supports up to 50 talented students per year in Germany in their academic training and professional development by promoting their studies with financial and non-material support.”
Scholarship Holder	<b>Louis Schuler Funds,</b> “Supporting committed, technology-loving students with scholarships, and awarding them for special achievements in their thesis and enabling them to do interesting projects at the universities.”