Ahmed ALMIJBARI
Elite MSc Student | Research Intern

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✉ PERSONAL STATEMENT

I am an Elite MSc student and a research intern in Neuroengineering at TUM with an academic focus on promoting machine learning, data science, signal processing and computational models in brain science/engineering to expand human knowledge and improve people's lives. My ultimate goal is to reverse-engineer the biological brain to understand how the brain works, build robust intelligent systems, and use these technologies to help people with disabilities.

🎓 EDUCATION

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

💼 EXPERIENCE

Current
Oct 2022

Research Intern, THE NEUROIMAGING CENTER AT THE TECHNISCHE UNIVERSITÄT MÜNCHEN, Munich
Dynamics of Brain Connectivity Lab
> Investigating the dynamics of neural information processing of the brain during the emergence of cognitive functions.

Oct 2021
May 2021

Research Intern, TECHNICAL UNIVERSITY OF MUNICH, Munich
Ondracek Lab
> Investigating learning and memory consolidation in the hippocampus.
> Worked on Real-time Sharp wave ripple detection and stimulation.

Dec 2018
Sep 2017

Teacher Assistant, UNIVERSITY OF BENGHAZI, Benghazi
> Teaching tutorial lectures on Electromagnetic Theory and Digital Communications.
> Participating in research frameworks and topics, such as Signal Processing and Intelligent system modelling.

Nov 2017
Aug 2017

RF Engineer, MANART ALMUTAWASIT COMMUNICATIONS, Benghazi
> Worked on Drive-Test processes for the Nokia H+ project.
> Contributed to post-processing data field analysis

Nov 2017
Aug 2017

Summer Intern, ALMADAR ALJADID, Tripoli and Benghazi
> Annual Internship, by the R&D dept, for the top 30 university students around the country.

Aug 2016
Jun 2016

Student Intern, HATIF LIBYA, Benghazi
> Internship on RF, microwave, and CDMA components through concepts and practice.

☰ SKILLS

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

❧ CIVIL SOCIETY ACTIVITIES

Dec 2018
Jan 2018 — Scientific Collaborator, TANAROUT ORGANIZATION, Benghazi
- > Co-Founded and led the Science Club.
- > Gave talks and organized discussions about various scientific topics.

Dec 2017
Jan 2017 — Co-founder, BUILDING READERS PROJECT, Benghazi
- > Worked on engaging the top 50 students across Benghazi in reading activities.

Dec 2018
Oct 2015 — Board Member, RUGBY 2018, Benghazi
- > Promoted sport and rugby for social peace and form a conscious young generation.

May 2012
Apr 2011 — Co-founder and IT manager, LIBYA ALWATAN MEDIA FOUNDATION, Benghazi
- > Managing the IT department during the Libyan upspring.
- > Designed Libya Alwatan Newspaper and Alhawraa Magazine.

★ DISTINCTION

Member	Elite Network of Bavaria.
	"The Bavarian state ministry of science and the arts initiative to support the outstanding talents at Bavarian universities."
Scholarship Holder	Rheinstahl Stipendium.
	"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	Louis Schuler Funds,
	"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."