

ABDULLAH ALMUBARK

MECHANICAL ENGINEER

WWW.ALMUBARK.INFO



ABOUT ME

I am a dedicated Mechanical Engineering student at Qatar University with a strong passion for Physics, Mathematics, and Engineering. I thrive on tackling complex problems through creative and out-of-the-box thinking, and I am always eager to learn about the latest advancements in these fields. My academic journey has equipped me with a solid foundation in analytical thinking, problem-solving, and technical expertise, which I have applied in various projects and internships. I aspire to contribute to innovative solutions that address real-world challenges. I value continuous learning and collaboration, and I am committed to making a meaningful impact in the field of engineering.



CONTACT

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SKILLS

SOLIDWORKS	●●●●●
AUTOCAD	●●●●●
MATLAB	●●●●○
PYTHON	●●●○○
LATEX	●●●○○
OFFICE 365	●●●●○



EXPERIENCES

● RESEARCH ASSISTANT	QRDI COUNCIL
SEP 2024 - PRESENT	Served as a Research Assistant for Work Package 2 (Signal Processing) on the UREP31-088-2-028 project, "Control of Environmental Noise from Road Traffic: a Web-Based User Interface," analyzing traffic-noise data using frequency-domain techniques and benchmarking against international standards (e.g., FTA). Collaborated closely with data collection and web integration teams, providing processed data for the project's user interface. Utilized MATLAB to visualize and interpret acoustical metrics, evaluating the effectiveness of noise-control measures like barriers and double-glazed windows, strengthening my signal processing skills and knowledge of environmental noise mitigation.
● RESEARCH INTERN	QATAR UNIVERSITY
APR 2024 - SEP 2024	Participated in Qatar University's summer research internship focusing on "Experimental Evaluation of a Carbon Dioxide Capture Device for Automotive Exhaust Emissions." Gained insight into heat engine theory, investigated factors influencing engine performance and efficiency, and contributed to hands-on experimental setups.
● FREELANCER	VOLTAAT STORE
MAY 2023 - JAN 2024	Developed Arduino-based prototypes and 3D models to fulfill project commissions from external businesses, ensuring designs met client-specific requirements. In addition, created bilingual (English/Arabic) user manuals to accompany Voltaat Store's DIY kits.
● INTERN	VOLTAAT STORE
NOV 2022 - DEC 2022	Developed 3D modeling skills in Onshape to design custom engineering solutions and programmed Arduinos to fulfill electrical engineering requests from local companies and university teams. Strengthened rapid prototyping abilities and gained hands-on experience in both mechanical and electronic design processes.



EDUCATION

QATAR UNIVERSITY	BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
2023 - 2027	



LANGUAGES

ARABIC	●●●●●	ENGLISH	●●●●○
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