

CONTACT

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PROFILE

As a passionate, highly driven, and eager learner, I strive to create a positive impact by performing my assigned tasks as efficiently as possible, while also trying to maximise my learning capacity.

In my work, I try to balance between theoretical knowledge and specific application, while maintaining a steady learning rate and high levels of motivation.

SKILLS

Effective Communication
Presentation
Creative Problem Solving
Teamwork
Microsoft Office
Python
Mathematica
LabVIEW
PSPice

SHORT COURSES

LabVIEW Programming
Data Analysis using Python
Business for Science and Engineering
Principles of Project Management

ACTIVE MEMBERSHIPS

IEEE Student Member
DataCamp

LANGUAGES

Arabic – Native Speaker
English – Native Speaker (IELTS: 8.0)
Spanish- Intermediate

UMAR TARIQ ALHUWAYMEL

Research Assistant/ Undergraduate Student

EDUCATION

King Fahd University of Petroleum and Minerals- KFUPM

September 2018 – May 2023 (Expected)

I am studying for a BSc in Physics. Studying this curriculum has helped me gain some specific physical knowledge, but it has also improved my analytical and mathematical skills. I am able to examine problems more fundamentally, and with the right mathematical tools, provide solutions to many complex physical and non-physical problems.

Besides the physics aspect of my programme, I have tried to steadily develop my programming skills, as I have become more interested in computational work, and having taken courses that cover mathematical essentials such as: calculus and differential equations, linear algebra, and group theory, has helped me accelerate my learning process. Also, taking electrical engineering courses that cover the topics of digital logic, electronics, circuit analysis, and signal processing has provided me with a novel mindset to solve problems with.

WORK EXPERIENCE

KFUPM IRC (Interdisciplinary Research Centres) - Undergraduate Research Assistant

January 2022 – Present

I am currently involved in a grant-based research project with Dr. Md Shafiullah. The title of the project is 'Power Quality Disturbance Identification using Machine Learning'.

KFUPM Physics Department - Member of Outreach Committee

September 2020 – Present

I was selected as one of two undergraduate students to help rebrand the department, establish an online presence, and strengthen relations with the industry.

KFUPM Physics Club - President

September 2019 – June 2021

I was the president for two years. The first year was focused on increasing events to attract more students, and the second revolved around social media presence. During my presidency, the members tripled, and the number of Twitter followers increased by 6 times.

VOLUNTEERING

- Organising member of KFUPM Arabic Club 2018-2019 academic year- won "Best Student Club" Award
- Member of Research Committee at KFUPM Sustainability Club
- Participated in more than one volunteer day organised by KFUPM Voluntary Work Unit
- Other voluntary works