

Muhammad Shoaib

Technical Coordinator and Materials Science Analyst

Date of birth: 05/02/2000 Nationality: Pakistani Gender: Male

Phone number: (+92) 3484468978

Email address: muhammadshoaib4468@gmail.com

Address: Qtr No AM 47/7 AMF Colony PAC Kamra Cantt, District Attock, 43570, Kamra, Pakistan (Home)



PROFILE

Dedicated physicist and researcher with a solid foundation in computational, and experimental physics. Skilled in using MATLAB and Python for mathematical modeling, data analysis, and optimization, including the development of genetic algorithm (GA)-based solutions for complex non-linear problems. Demonstrated interest in applying physics to real-world challenges through research in nanomaterials for environmental remediation and computational approaches to boundary value problems. Combines technical proficiency (MS Office, Visio, SEO) with a strong commitment to education, aiming to inspire students through clear, engaging instruction and research-integrated learning. Experienced in administrative, logistical, and technical tasks through roles in both academic and industrial environments.



EDUCATION

MPhil Physics 2023-2025
Riphah International University, I-14 Islamabad

Research Projects:

- Degradation of toxic pharmaceutical industrial waste using green synthesis of iron oxide nanoparticles.

BS Physics 2019-2023
Air University, Islamabad

Research Projects:

- Computational heuristic techniques for a class of singular boundary value problem arising in the theory of epitaxial growth.



PROFESSIONAL COURSES & EXPERIENCE

Technician at AWC Wah Cantt 01/2023 - Till date

- CM Coordinator
- Logistics Coordination
- Administrative Operations

INTRODUCTION TO QUANTUM INFORMATION 07/2023
By KAIST on Coursera

UNIVERSITY RESEARCH ASSISTANT 07/2022
Materials Modeling Lab, Air University

CRASH COURSE ON PYTHON 09/2021
By Google on Coursera



SKILLS

- Python Language - Basic knowledge
- MATLAB
- MS Word
- MS PowerPoint
- MS Excel
- MS Visio
- CANVA
- SEO & WORDPRESS



LANGUAGES

- English
- Urdu
- Hindko