ZAINAB JAVED

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Education

UNIVERSITY OF ENGINEERING AND TECHNOLOGY (3.51)   Peshawar, Pakistan
Bachelor of Chemical Engineering   September 2019 – July 2023

JINNAH JAM E SCHOOL AND COLLEGE   Haripur, Pakistan
Pre-Engineering (FSC)   August 2016-June 2018

Professional Experience

RESEARCH ASSISTANT (UET PESHAWAR)   *August 2023 – Present*

HEC FUNDED NRPU PROJECT (Produced water treatment using Artificial intelligence-based renewable energy power membrane technology).

> *In this project, we leverage diverse datasets from Produced water treatment and implement various Artificial intelligence tools (Machine Learning algorithms). Our novelty lies in integrating Produced water data with Artificial intelligence, forming unique models.*

PAKISTAN ORDINANCE FACTORY (EXPLOSVIE FACTORY WAH CANTT)   *August 2022 – September 2022*

Intern as a Process Engineer:
Gained hands-on experience in chemicals (60%WNA,99.8% CAN,98% $H_2SO_{4)}$ Production.
Executed HAZOP analysis, and designed PFDS and P& IDS.

Academic Experience

Conversion of PET (polyethylene terephthalate) bottles to Activated carbon and its characteristics analysis.
                                    November 2022 -August 2023

Group Coordinator
− *Conversion of PET bottles to Activated carbon causes a reduction in water, land, and air pollution. Utilizing this activated carbon in the production of Activated carbon bricks/blocks facilitates waste treatment methods.*

Extracurricular & Volunteer Experience

UET PICHE SOCIETY   March 2022 – July 2023
− *Female President:* Managed the overall events for the society supervising all team volunteers and generating the final report at the end of every event.

Honors and Awards

6th international conference on sustainability in process industries   October 2022

ONLINE COURSES
− Machine learning course for beginners-vidya analytics
− Oil and gas industry operations and market-Coursera
− Occupational health and safety awareness -HSE academy
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Additional

− *Technical skills:* s office, MATLAB, Visual Paradigm (PFD software), Python, Aspen Plus.
− *Interest:* Technology management, Production and Maintenance,Technical learning & work
− *Language:* English, Urdu, Hindko