



# HAMZA AFZAL



H # L-26 Professor Colony U.E.T, Lahore.

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## ENVIRONMENTAL ENGINEER

I am an environmental engineer with 5 years of experience creating and refining processes in relation to water, wastewater, air pollution control, waste disposal, recycling, HSE, audits and public health issues. Recognized talent for facilitating effective collaboration between environmental scientists, planners, waste technicians, engineers and business directors. Adept at providing technical-level support for environmental design, remediation and litigation projects including remediation system design and determination of regulatory applicability.

### PROFESSIONAL PROFILE

### EDUCATION

M.Sc Environmental  
Engineering

06/2017 – 01/2022



University of  
Engineering &  
Technology,

B.Sc Environmental  
Engineering

10/2012 – 09/2016



University of  
Engineering &  
Technology,

### HIGHLIGHTS

- Water & Wastewater Treatment System
- Water Distribution and Sewage Collection System
- HSE Implementation , Compliance & Audits
- Solid Waste Management
- Air Dispersion Modelling
- Water & Solid Waste Audits as per ZDHC
- Environmental & Social Impact Assessment
- Environmental Monitoring
- GHG Emission
- Design of Air Pollution Control System
- Problem Solving & Analytic Skills
- Project Management
- Leadership & Human Resource Management

### PERSONAL EXPERIENCE



MANAGER OPERATIONS &  
DESIGN ENGINEER

Lahore  
7/2019 to Currently Working

I am working with MACE Engineering Consultant as an operational manager and managing all kinds of operations regarding all projects. Further, I work here as a design engineer and lead all the projects regarding the design of water & wastewater treatment plants, design of water and sewerage systems, and other environmental projects related to air, noise, and assessment.

#### Major Projects:

1. Design, installation and commissioning of Wastewater Treatment Plant at Ambition Apparel having a capacity of 45 m3/hr
2. Operation & Maintenance of Wastewater Treatment Plant at Taiga Apparel having a capacity of 75 m3/hr
3. Operation & Maintenance of Wastewater Treatment Plant at Faisal Fabrics having a capacity of 50 m3/hr
4. Wide Gap Area Closing and sealing the process from the outer environment at NutriCo Morinaga
5. Construction of industrial building at 36-J Sundar Industrial Estate



DESIGN & OPERATION  
ENGINEER / AEP

Lahore  
01/2017-06/2019

I work as environmental professional in Pak Green to conduct environmental monitoring, environmental /HSE audit of different industries and environmental assessment of different projects include planning, surveys and report writing. As a designer, I have design flow measuring devices and waste water treatment plants and air dispersion modeling of different industries and power plants. I have also lead many projects and also done work as a team member also.

#### Major Projects

1. Design and installation of effluent treatment plant of Faisal Fabrics (Pvt) Ltd,
2. Design and installation of effluent treatment plant United Industries Limited.
3. Measure final flow of wastewater of Sunder Industrial Estate, Kasur Tannery Waste Management Agency, Ambition Apparel Ltd, Millac Foods and many more.
4. Documentation for Audit of Bata Pakistan & HSE Gap Analysis of Shafi Industries and may more.
5. Air Dispersion Modeling of Lucky Cement Limited
6. Solid Waste Audit (Zero Discharge) of Nishat Chunnia Pvt. Ltd,
7. Water Audit of RAN Textile,
8. EIA of Quaid-e-Azam Wind Power Project Rhojan & Special Economic Zone of Haier (Ruba S.E.Z) etc and number of IEE projects.

## SOFTWARES

| AutoCAD  
| Microsoft Office  
| AREMOD  
| DISPER  
| EPA.NET  
| Arc GIS  
| Water GEMS  
| Sewer GEMS  
| HAZOP Management  
and many more

## LANGUAGE

| English  
| Urdu  
| Punjabi

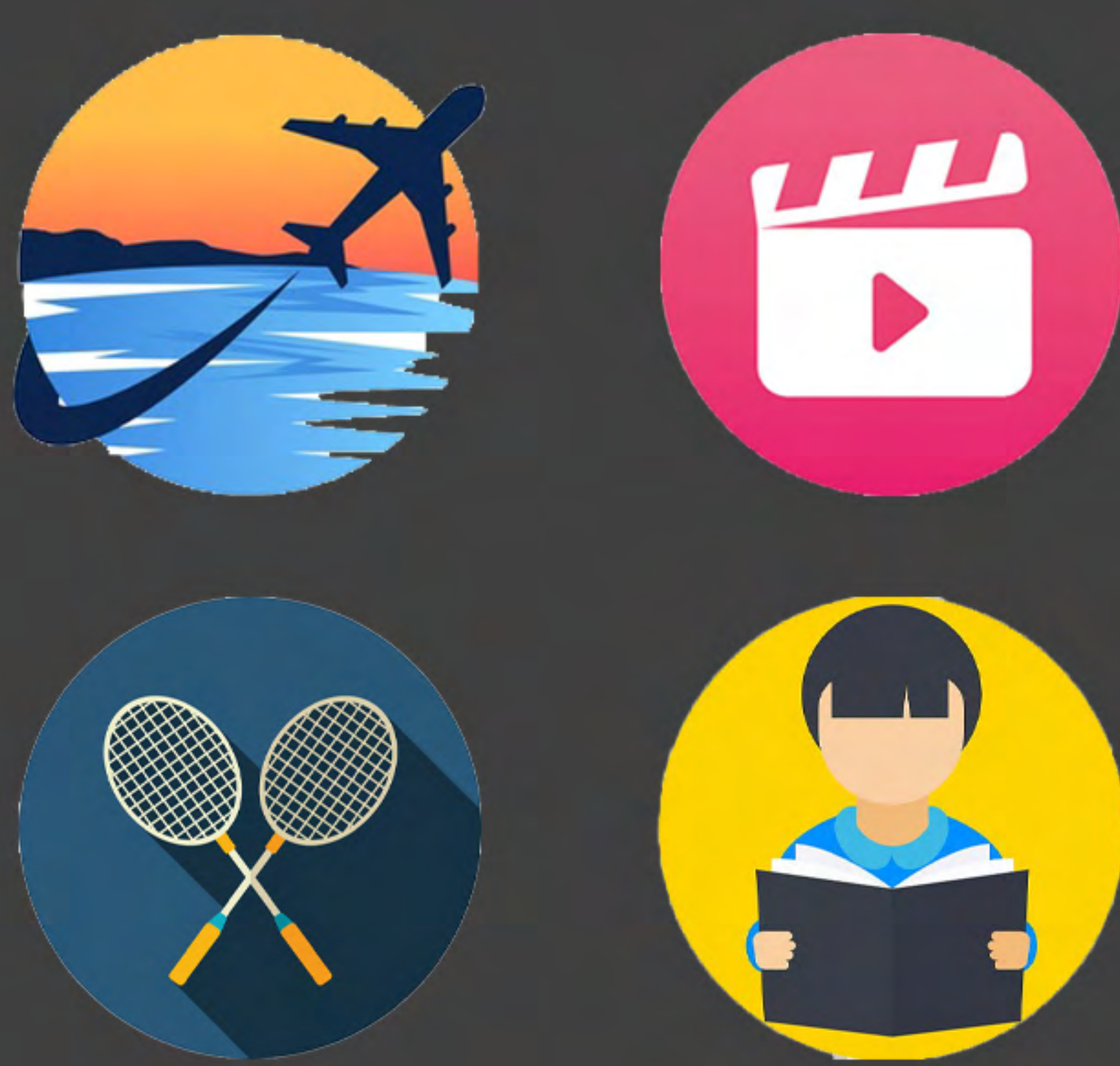
## SKILLS

| Communication Skills  
| Time Management  
| Team Work  
| Self Confidence  
| Leadership  
| Problem Solving

## CERTIFICATION

 PEC Certification  
& Number  
PEC Supervisory  
Certificate

## HOBBIES



I work with the consultancy for carrying out works related to water supply, sewerage, drainage and water filtration plants. The work carried out included survey and analysis of existing facilities its documentation in form of reports. Design phase included preliminary design, detailed design/working drawings, engineer's cost estimates and detailed bill of quantities (BOQ)

### Major Projects:

1. Work on project: Revamping of District & Tehsil Headquarter Hospitals of Punjab; Detailed Design of Water & Sewerage System (Package IV & V – B).



I work as compliance & EHS professional in Style Textile to acquired knowledge and skills to conduct an external audit and performed safety audit according to the requirements of Adidas.

### Major Projects

1. Conduct an external audit to ensure compliance with Adidas for a recently constructed unit of Style Textile.



- Worked with Lahore Master Plan team in order to establish a design of water supply, sewerage and drainage system.
- Acquired knowledge of society planning being part of planning team of GAPCO Housing Society at Gujranwala..



- Developed an effective solid waste collection system for Garden Town Lahore.
- Determined the required collection equipment & define exiting collection routes. Also, increased the effectiveness of collection system

## ACTIVITIES & HONORS

- Rescue 1122 First Aid Training
- Finance Secretary in Environmental & Horticultural Society, UET Lahore.
- Organize National Level Events in UET Lahore
- Full Scholarship of F.Sc. in Punjab College
- Runner up in Quiz Competition in District Sialkot

## REFERENCE

References will be provided on demand