



Muhammad Ahsan

Date of birth: 08/05/2000 | **Nationality:** Pakistani | **Gender:** Male |

Phone number: (+92) 3414300616 (Home) | **Email address:**

gujratahsan@gmail.com | **Website:** <https://adamahsan.github.io/cv/> | **LinkedIn:**

<https://www.linkedin.com/in/muhammad-ahsan-966b2a234/> |

WhatsApp Messenger: +923414300616 |

Address: Hassan pura Gujrat, Punjab, Pakistan, 50700, Gujrat, Pakistan (Home)

ABOUT ME

Dedicated **Environmental Engineer** with a passion for sustainable solutions. Proven track record in implementing innovative strategies for waste management and pollution control.

EDUCATION AND TRAINING

19/10/2020 – CURRENT Islamabad, Pakistan

BACHELORS IN ENVIRONMENTAL ENGINEERING NUST University, Islamabad

Website www.nust.edu.pk

27/09/2017 – 10/05/2019 Gujrat, Pakistan

HIGHER SECONDARY SCHOOL CERTIFICATE (HSSC) PRE-ENGINEERING Punjab College, Gujrat

Website <https://pgc.edu/campus/gujrat/>

01/04/2015 – 10/06/2017 Gujrat, Pakistan

SECONDARY SCHOOL CERTIFICATE (SSC) SCIENCES The Educators School bara dari campus, Gujrat

Website <https://www.educators.edu.pk/>

WORK EXPERIENCE

22/06/2023 – 20/08/2023 Gujrat, Pakistan

INTERNEE (HEALTH SAFETY & ENVIRONMENT DEPARTMENT) SERVIS INDUSTRIES LIMITED

- Conducted comprehensive risk assessments across various departments to identify potential hazards and develop mitigation strategies.
- Assisted in the implementation of safety protocols and procedures to ensure compliance with regulatory standards.
- Participated in site inspections to evaluate workplace conditions.

Business or Sector Manufacturing | **Department** HSE

DIGITAL SKILLS

AutoCad 2D -3D | Microsurvey CAD (MsCAD) | GPSX- Water Treatment Modeler | ArcGIS, ESRI, QGIS, EPANET, Google Earth Pro | Microsoft Office (Outlook, Excel, Word, PowerPoint) | How to Desing and Build

Soft Skills

Critical and logical thinking | Teamwork & collaboration | Demonstrated leadership skills and a team player. | Good Communication and Writing Skills | Root cause analysis | Time management and response to requests and deadlines

LANGUAGE SKILLS

Mother tongue(s): URDU | PANJABI; PUNJABI

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C2
FRENCH	A1	A1	A1	A1	A1
TURKISH	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

CONFERENCES AND SEMINARS

24/08/2023 – 25/08/2023 – Islamabad

Local Conference Of Youth Pakistan

- Climate Change Awareness
- Youth Engagement
- Sustainable Development Goals (SDGs)
- Community Solutions
- Policy Advocacy

23/02/2023 – 23/02/2023 – NUST Islamabad

Clean and Renewable Zero-Carbon Solar Fuels

- Emphasized the potential of nanoscale materials in converting water into clean, renewable solar fuels through innovative science, chemical research, and technology.
- Highlighted advancements in chemical science, nanomaterials, catalysis, and electrochemical processes for water splitting, leading to solar and chemical energy conversion.

17/08/2022 – 18/08/2022 – Nust, Islamabad

2nd International Conference on Water, Energy, and Environment for Sustainability (IC-WEES)

- Emphasized water and environment management amidst climate change, stressed national/ international research collaborations, and praised NUST's role in innovation.
- Discussed planning and investment for climate change perspective, while Dr. Naeem Ahmed focused on using remote sensing and AI for environmental challenges.

01/04/2022 – 01/04/2022 – NUST Islamabad

Climatic Impacts of Waste Management practices

- Identified energy production, product consumption, and irresponsible waste management as direct contributors to climate change.
- Described how burning petroleum products releases carbon-based particles into the air, contributing to air pollution and climate change.

NUST Islamabad

Pakistan's Water Sector: Management Planning for the Climate Change Adaptation

- Highlighted the twofold impact of climate change, manifesting as floods and droughts, which necessitated proactive water management practices and policies for adaptation.
- Advocated for innovative solutions to address the challenges posed by floods and droughts, particularly focusing on Pakistan's river system and coastal areas, such as desalinated seawater in the Reverse Karez system.

PROJECTS

01/01/2021 – CURRENT

Projects

- Design and Performance Evaluation of DEWATS for Sustainable Fecal Sludge Treatment.
- Analyzed and prepared a proper PC-1 Report.
- Risk Assessment for Nust Medical Center.
- Designed an Anaerobic Digester for Solid Waste Management for Nust.
- Designed a Plan for School Building in Autocad.
- Designed surface water treatment plant as Complex Engineering Problem for our “Water Treatment and Design” course.
- Reviewed an EIA Report and presented its limitations and enhanced it.
- Prepared Audit Reports, Near Miss Reports during internship.
- Did Risk Analysis and Risk Assessment for Servis Industries Limited.
- Participated in Proper Audit of Servis Industries Limited.

VOLUNTEERING

03/09/2022 – 10/09/2022 NUST Islamabad

NCSC Donation Drive for Flood Affectees

- Organized and coordinated a flood donation drive to support flood-affected communities in Balochistan and Sindh.
- Mobilized volunteers and resources to facilitate the collection, sorting, and distribution of essential supplies such as food, clothing, and hygiene items.

16/09/2023 – 19/09/2023 NUST Islamabad

Blood Donation Drive NUST

- Organized and coordinated a blood donation drive at NUST, mobilizing volunteers and resources to ensure its success.
- Managed logistics and operations during the blood donation event, including registration, donor screening, and refreshment distribution.

10/10/2023 – 11/10/2023 NUST Islamabad

CHADAR (NUST SOCIETY)

- Organized donation drives to gather essential items such as clothing, blankets, and hygiene products for distribution to those in need.
- Managed inventory ensuring efficient organization and tracking of donated items to facilitate easy access and distribution to beneficiaries.

HOBBIES AND INTERESTS

Hobbies

- Sports
- Exercise
- Video Gaming
- Photography

RECOMMENDATIONS

Doctor Ali Inam Professor (HOD)

Head of Department (HOD), Institute of Environmental Sciences and Engineering (IESE), National University of Sciences & Technology, NUST, H-12 Islamabad, 44000.

Email ainam.iese@nust.edu.pk | **Phone** (+92) 3337796695

Doctor Rashid Iftikhar Professor (UG Coordinator)

UG Coordinator, Institute of Environmental Sciences and Engineering (IESE), National University of Sciences & Technology, NUST, H-12 Islamabad, 44000

Email rashid.iftikhar@iese.nust.edu.pk | **Phone** (+92) 3336139992