



Ali Haider

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Address: 43701, Islamabad, Pakistan (Home)

ABOUT ME

I have a strong passion for researching different subjects. I truly enjoy diving deep into exploring new ideas and concepts. This passion drives me to untangle complicated problems and come up with creative solutions. Over time, I've built a strong set of skills through my extensive research work, allowing me to investigate complex matters with thoroughness and accuracy. I'm constantly driven by my hunger for knowledge and expertise, which motivates me to continuously push the limits of what I can discover.

WORK EXPERIENCE

08/2024 – 09/2024 Islamabad, Pakistan

INTERNSHIP XFLOW RESEARCH ISAMABAD

Currently at xFlow Research, building on previous experience by engaging in advanced projects. Expanding expertise in software development and networking technologies.

Created a SQL database as part of ongoing projects, demonstrating practical experience in database management.

Website www.xflowresearch.com

07/2023 – 09/2023 Islamabad, Pakistan

INTERNSHIP XFLOW RESEARCH ISLAMABAD

During my period I acquired proficiency in key technologies, including **Pytest** and **Robot Framework** for effective software testing, alongside hands-on experience in containerization with **Docker** and orchestrating scalable deployments using **Kubernetes**.

Website www.xflowresearch.com

07/2022 – 09/2022 Islamabad, Pakistan

INTERNSHIP XFLOW RESEARCH ISAMABAD

During this time, I completed a Python basics course on Udemy and gained hands-on experience with GitHub for version control. Acquired foundational networking skills, including setting up virtual machines and establishing secure connections using SSH. Developed a strong understanding of essential development and networking tools.

Website www.xflowresearch.com

EDUCATION AND TRAINING

2020 – 2024 Taxila cantt, Pakistan

BS COMPUTER ENGINEERING HITEC University

Final Year Project: Smart Electricity Bill Estimation and Home Automation

Website <https://www.hitecuni.edu.pk/> | **Field of study** Computer Engineering

2017 – 2020 Bhakkar, Pakistan

HIGHER SECONDARY SCHOOL CERTIFICATE Government Degree College Bhakkar

Field of study Pre Engineering

Field of study Science

● **ADDITIONAL INFORMATION**

Final Year Project

- Developed a System using the ESP32 microcontroller. The system enables real-time remote control of appliances and tracks energy consumption, providing accurate bill estimations based on device usage. Integrated a mobile app with Firebase to manage appliances, offering enhanced household energy management and cost-efficiency.

Link <https://smart-electricity-bill-estimation.blogspot.com>

PROFESSIONAL SKILLS

- Pytest Framework
- Robot Framework
- Docker
- Kuberetes
- Python, C++ (languages)
- Github

PROFESSIONAL COURSES

- Embedded System
- Digital System Design
- Parallel and Distributed Computing
- Digital Logic Design
- Digital Signal Processing
- Data Structures and Algorithms
- Electronic Devices and Circuits
- Microprocessor and Interfacing Technique
- Digital Image Processing

Minor Projects

- Temperature Control System
- Simple Calculator Using Arduino
- Airport Management System
- 3 Bit binary Adder with 7 Segment Display
- Subnetting of Routers
- Home Automation Using Blynk App

Documentation Skills

- Technical Report Writing
- Research Based Data Collection
- Engineering Project Management
- Software Engineering

CONFERENCES, WORKSHOPS, SEMINARS

- Attended 1/2 Day Workshop on "Git for Beginners" held on 27 October 2021 at HITEC University, Taxila.
- Attended 1/2 Day Workshop on "Hands-on IOT Workshop" held on 14 December 2022 at HITEC University, Taxila.
- Attended Workshop "Introduction to Kaggle and Progression System" held at the AI Summit 2023 on 25 February 2023.
- Attended Workshop "Creating Interactive AI Applications" held at the AI Summit 2023 on 25 February 2023.
- Joined One Day AI Summit held at Pak China Friendship Centre Islamabad on 25 February 2023.

MANAGEMENT AND LEADERSHIP SKILLS

Security Manager at Hult Prize:

Hult Prize is a prestigious year-long social entrepreneurship program that challenges young people to solve the world's most pressing issues through social entrepreneurship.

Language

English: Proficient User, **Urdu:** National Language/Mother Tongue

RECOMMENDATIONS

Dr. Muhammad Bilal

Assistant Professor

Department of Computer Engineering HITEC University, Taxila Cantt 47070, Pakistan

Email: muhammad.bilal@hitecuni.edu.pk

Dr. Raza Ali Shah

Assistant Professor

Department of Computer Engineering HITEC University, Taxila Cantt 47070, Pakistan

Email: raza.ali.shah@hitecuni.edu.pk

Engr. Tehseen Ahsan

Assistant Professor

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