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Muhammad Haider

Research Assistant

ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre (ISTA)
[Information Systems]



Contacts

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Curriculum

A research-driven IT professional with expertise in software engineering, currently enrolled in a Doctoral Program in CTI at ISCTE – Instituto Universitário de Lisboa (since Sept 1, 2024) and I am also the member of ISTAR-Iscte. I hold an MS in Software Engineering from the University of Agriculture Faisalabad (2021) and a BS from Riphah International University (2017).

My professional experience includes working as IT Incharge and Lecturer at Faisal Institute of Health Sciences, Faisalabad (Oct 2017 – Feb 2023), Lecturer – Software Engineering at Riphah International University (Feb 2023 – Nov 2023), As NetAcad Instructor at Cisco Networking Academy (Feb 2023 – Nov 2023), also the part of The Presidential Initiative for Artificial Intelligence and Computing (PIAIC) in Pakistan with ID # PIAIC73449 (May 2022 – May 2024) where I use to work on latest technologies such as AI & Blockchain, moreover I also served as Frontend and Backend Developer in Software Houses (REVOLTECH SOLUTIONS (PVT LTD) & UNIAL SOLUTIONS (PVT LTD)) and recently served as Lecturer – Artificial Intelligence at the University of Management and Technology (Dec 2023 – Mar 2025).

I have taught various programming and software engineering subjects, supervised student research, and contributed to academic committees. During my Bachelor's in Software Engineering, I worked on a project focused on Auditory Verbal Therapy (AVT), which aims to help deaf children develop spoken language skills. My MS thesis focused on Cancer Detection using deep learning. I am currently working on a framework integrating Blockchain and Federated Learning for Healthcare in ISCTE.

Technical Skills : C++, HTML, CSS, JavaScript, React, React Native, Next.js, Python, and more.

Research Interests

Artificial Intelligence and Blockchain

Academic Qualifications

| University/Institution | Type | Degree | Period |
|---|------------|--|--------|
| ISCTE-Instituto Universitario de Lisboa | PhD | Doctoral Programme in Communication, Technology and Innovation (CTI) | 2028 |
| University of Agriculture Faisalabad | M.Sc. | MS Software Engineering | 2021 |
| Riphah Internation University - Islamabad | Licenciate | BS Software Engineering | 2017 |

Publications

- **Scientific Journals**

- **Scientific journal paper**

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|---|---|
| 1 | MA Haider, Z Naaqvi, MR Faheem, QU Ain, A Nawaz & U Ullah (2024). Modified U-Net Model for Segmentation and Classification of Liver Cancer Using CT Images. Journal of Computing & Biomedical Informatics (JCBI). 6 (02) - Times Cited Google Scholar: 8 |
| 2 | MA Haider, E Arif, U Ullah, T Asghar, N Nawaz & A Nawaz (2024). Design and Development in Intelligent Multi-Agent system in Software Engineering. Journal of Computing & Biomedical Informatics. |