Muhammad Asaf
PhD Student in ICT

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About me

I am a PhD Student at the University of Calabria, my research focuses on AI, Large Language Model (LLMs), Machine Learning Algorithms and Natural Language Processing. I am a highly motivated researcher to bring novelty to computer science.

Education/ Academic Qualifications

PhD in Information and Communication Technologies, University of Calabria   **11/2023 – Present**
LLMs, Machine Learning Algorithms and Natural Language Processing   Rende, Italy

Master of Philosophy (M.Phil) In Computer Science, Lahore Leads University   **10/2018 –09/2020**
Final CGPA: 3.65/ 4.00 First Division   Lahore, Pakistan
Thesis Title: *Blockchain Technology in Food Supply Chains*

Master of Computer Science (MCS), COMSATS Institute of Information Technology   **09/2013 –02/2016**
Final CGPA: 3.46/ 4.00 First Division   Islamabad, Pakistan
Project Title: *VCOMSATS Project Management System*

Additional Qualification
Master of Business Administration (MBA), Virtual University of Pakistan   **03/2010 –03/2013**
Lahore, Pakistan

Publications

1) **Blockchain for Sustainable Supply Chains: Triple Perspective Analysis**   **08/2023**
   Muhammad Asaf, Muhammad Junaid iqbal, Muhammad Hasnain, Muhammad Abid Mehmood, Anam Shahzadi
   Published: https://www.casestudiesjournal.com/volume-12-issue-08/
   International Journal of Case Studies (ISSN Online 2305-509X, Impact Factor 4.428, Vol-12)

2) **Navigating the Complex Landscape of Network Security: A Comprehensive Analysis of Protocols, Tools, and Threats**   **02/2023**
   Published: https://www.casestudiesjournal.com/volume-12-issue-02/
   Muhammad Junaid Iqbal, Shan Afzal, Muhammad Furqan Rafique, **Muhammad Asaf**, Yawar Ahmed
   International Journal of Case Studies (ISSN Online 2305-509X, Impact Factor 4.428, Vol-12)

IEEE Conference Paper
3) **Exploring Language Modelling Techniques for Improved Recommender Systems**
   International Conference on Computing & Emerging Technologies (ICCET 2023)   **05/2023**

Professional Certifications/ Courses/ Achievements

1) **Introduction to Artificial Intelligence (AI) | IBM**   **03/Mar/2023**
2) **Machine Learning Algorithms: Supervised Learning Tip to Tail**   **07/Mar/2023**
   Alberta Machine Intelligence Institute (AMII)
3) **Web3 and Blockchain Transformations in Global Supply Chains | INSEAD**   **03/Jan/2023**
4) **Blockchain Scalability and its Foundations in Distributed System**   **24/Dec/2022**
   The University of SYDENY
5) **Blockchain for the Decision Maker | EIT Digital Co-funded by the European Union**   **25/Mar/2023**
6) **Foundation: Data, Data Everywhere | Google**   **01/Dec/2022**

Training/ Conferences/ Events

1) Attended hybrid conference on **Supply Chain Management in the Post-Pandemic and AI Age Conference** on June-14-15 and the 4th Online Doctoral Workshop on Supply Chain Analytics on June-13 at Rutgers **13/Jun/2023**

2) International Conference on Computing & Emerging Technologies (ICCET 2023), Superior University **26/Mar/2023** **Presented Paper**: Exploring Language Modeling Techniques for Improved Recommender Systems

3) Attended the Biggest Tech Event Future Fest 2023 organized by EJAD Labs at Expo Centre Lahore **06/Jan/2023**

4) Attended Outcome-Based Education at Lahore Leads University **28/Jul/2022**

5) Training "Prime Minister's Youth Training Scheme" by National Internship Program (NIP) **31/May/2017**

Software/ Digital & Statistical Skills

- HTML | CSS |JavaScript | C++ | Python
- Database Management (MS Access, My SQL)
- Statistical Analysis using SPSS or Excel
- Research Software Skills: Endnote | Mendeley | MATLAB | Adobe package
- I have a good command of Microsoft Office Suits (MS Word, Excel, and Presentation Software)

Honours & Awards

- Best Research Award for completing research work of master final year research work within 6 months **09/2020**
- Awarded merit-based scholarship for the graduate degree by the Lahore Leads University **10/2018**

Personal Skills

- Motivated | Organized | Responsible | Accurate | Adaptable | Ambitious | Confident
- Cooperative | Determined | Energetic | Independent | Versatile

Language Skills

- **English**: Excellent in reading, writing, listening and speaking (International Language)
- **Urdu**: Excellent in reading, writing, listening and speaking (Native Language)
- **Italian**: Basic knowledge in reading, writing, listening and speaking

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
English	C2	C2	C1	C1	C1
Italian	A2	A2	A2	A2	A1

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

References

1. **Dr. M. Hasnain, Assistant Professor, Head of Department (HOD)**
   E-mail: dr.hasnain.it@leads.edu.pk
   CS & IT Department, Lahore Leads University, Pakistan

2. **Dr. Rizwan Mehmood, Assistant Professor**
   E-mail: dr.mehmood@leads.edu.pk
   CS & IT Department, Lahore Leads University, Pakistan

3. **Asad Manzoor Wattoo, Managing Director (MD)**
   E-mail: md@leads.edu.pk
   Lahore Leads University, Pakistan

Faithfully, **Muhammad Asaf**