



Hamza Sajjad Ahmad

Date of birth: 15/09/1995 | **Nationality:** Pakistani | **Phone number:**

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Address: Houes#417, A-Block, Al-Raheem Garden Phase 5., 54000, Lahore, Pakistan (Home)

● EDUCATION AND TRAINING

01/12/2022 – CURRENT LUCCA, Italy
PH.D. CYBER SECURITY IMT Lucca

Website <https://www.imtlucca.it/>

07/09/2018 – 01/01/2021 Lahore, Pakistan
MS COMPUTER SCIENCE University of Engineering and Technology Lahore

Address Main G.T Road Lahore, 54890, Lahore, Pakistan | **Field of study** Computer Networks Security and IoT |

Final grade A+ | **Thesis** Secure Authentication Mechanism to Resolve the Security Issues Over IoT Perception Layer

18/10/2013 – 23/04/2018
BS TELECOMMUNICATION SYSTEMS Bahauddin Zakariya University Multan

Field of study Computer Networks and Communication Systems | **Final grade** B |

Thesis Techniques to Optimize the Security and QoS in Cloud Computing

● WORK EXPERIENCE

01/09/2021 – CURRENT Lahore, Pakistan
TEACHING FELLOW UNIVERSITY OF ENGINEERING AND TECHNOLOGY LAHORE

- Teaching undergraduate courses and assisting the senior faculty in course design
- Mentoring final-year students in their Final Year Projects (FYPs).
- Research in Network Security, IoT, and Machine Learning.

07/12/2020 – 20/06/2022 Lahore, Pakistan
VISITING LECTURER SUPERIOR UNIVERSITY

- Teaching undergraduate courses and conducting labs
- Mentoring final-year students in their Final Year Projects (FYPs).

20/08/2020 – 30/08/2021 Lahore, Pakistan
LECTURER AFRO-ASIAN INSTITUTE

- Teaching undergraduate Networks courses and conducting labs
- Maintaining Networks lab and guiding final-year students

15/06/2018 – 15/01/2019 Lahore, Pakistan
IT SUPPORT ENGINEER KINET HUB PVT LTD

- Work on layer one, where I was responsible for the designing and implementation of the network.
- Providing Network support to different companies.
- Installation of new devices with in-network.

● DIGITAL SKILLS

Microsoft Office | Social Media | Google Drive | Python | Machine Learning | Web Design & Web Development | Wordpress, SEO, Analytics | C C++c C | IOT security | Computer Networks | Linux | MySQL | Network tool software Cisco Packet Tracer | CYBER SECURITY | Network / Mobile / API / Web Application Security Testing

● LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	B2

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

● ADDITIONAL INFORMATION

PUBLICATIONS

[Device Authentication & Data Encryption for IoT Network by Using Improved Lightweight SAFER Encryption with S-Boxes](#)

– 2021

[Improved Lightweight SAFER Encryption by Using S-Boxes at Diffusion Layer for IoT Devices](#) – 2020

[Optimization of predictive performance of intrusion detection system using hybrid ensemble model for secure systems](#)

– 2023
