



Ihtisham Ullah

Date of birth: 03/03/1994 | **Place of birth:** Swabi, Pakistan | **Nationality:** Pakistani |

Gender: Male | **Phone:** (+92) 3018964982 (Mobile) | **Email address:**

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Colony Gharib Abad Swabi, 23430, Swabi, Pakistan (Home)

● ABOUT MYSELF

Motivated self-starter with a passion for continuous learning and professional growth, consistently seeking opportunities to expand skills and knowledge.

● WORK EXPERIENCE

03/02/2023 - CURRENT - ISLAMABAD, PAKISTAN

LECTURER RIPHAH INTERNATIONAL UNIVERSITY ISLAMABAD

Taught the Following courses:

- Programming Fundamentals
- Data Structure and Algorithms
- Database Systems
- Data Communication and Computer Networks
- Applied Physics

21/09/2021 - 17/07/2022 - ABBOTTABAD, PAKISTAN

TEACHING ASSISTANT DEPARTMENT OF COMPUTER SCIENCE, COMSATS UNIVERSITY ABBOTTABAD

- Taught Data Communication and Networks, C Programming and Database
- Worked in Final Year Projects Committee
- Thesis Reviewing

Website: <https://softboxtechnologies.com>

01/09/2020 - 03/09/2021 - PAKISTAN

RESEARCH ASSISTANT DEPARTMENT OF COMPUTER SCIENCE, COMSATS UNIVERSITY ISLAMABAD

- Worked on a Problem of Cyber Security Detecting New Evolving Attacks
- Simulate Different Projects Using Python Programming
- Writing Academic Papers on Achieved findings

17/04/2017 - 17/04/2018 - PESHAWAR, PAKISTAN

SOCIAL MEDIA INTERN PROVINCIAL ASSEMBLY KPK

- Worked on Networking Projects MCSE, CCNA
- Worked on Wireless Networking
- Video Editing
- SMT's Designing

● EDUCATION & TRAINING

03/09/2017 - 01/02/2022 - ISLAMABAD, PAKISTAN

MS COMPUTER SCIENCE- COMSATS UNIVERSITY

Field(s) of study: Computer science | **Final grade:** 3.34/4 | **Thesis:** SDN Enabled Fog-to-Things Hybrid Deep Learning Driven Cyber Threat Detection System | **Website:** <https://www.comsats.edu.pk>

22/09/2012 - 14/07/2016 - NOWSHERA, PAKISTAN

BS COMPUTER SCIENCE- KPK AGRICULTURE UNIVERSITY PESHAWAR

Field(s) of study: Computer Science | **Final grade:** 3.78/4 | **Thesis:** Windows Deployment Services and Group Policies Using Window Server 2012 | **Website:** <https://www.aup.edu.pk/>

● LANGUAGE SKILLS

Mother tongue(s): **PASHTO**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
URDU	C2	C2	C2	C2	C2
ENGLISH	C1	C1	C1	C1	C1

● SKILLS

Microsoft Office | Microsoft Excel | Microsoft Word | Microsoft Powerpoint | C, C++ C# | Programmin language PYTHON | Google Collab | Latex Software | Origin | Adobe Photoshop | Packet Tracer | Wireshark | Video Editing | Microsoft Visio

● PUBLICATIONS

[A Hybrid Tabu-Enhanced Differential Evolution Meta-heuristic Optimization Technique for Demand Side Management in Smart Grid](#) 2018

Status: Published

Conference: 12-th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS-2018)

[Differential-evolution-earthworm hybrid meta-heuristic optimization technique for home energy managementsystem in smart grid](#) 2018

Status: Published

Conference: 12-th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing (IMIS-2018)

[Bio-Inspired Optimization Techniques for Home Energy Management in Smart Grid](#) 2018

Status: Published

Conference: 2018 32nd International Conference on Advanced Information Networking and Applications Workshops (WAINA)

● PROJECTS

- Detecting New Evolving Attacks like Port-Scan, Brute Force
- Pre-processed State of the Art Dataset Coburg Intrusion Detection

- Use of Deep Learning Algorithms
 - Comparison With other Deep Learning Models: LSTM, CNN, LSTM-CNN, LSTM-GRU
 - Successfully Able to Classify Data With a High Accuracy of 99.91%
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- Use of Virtualization
 - Connecting Window Server 2012 with Clients Windows
 - Installation of Firewall on Server
 - Applying Rules on Client Windows
 - Restricting Client For Using Certain Features
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- Using Packcet Tracer
 - Connecting Server With Clients
 - IP Addressing
 - Applying VLAN
 - Dividing Network
 - Connecting Network to other Departments
 - Applying NAT

● **RESEARCH INTERESTS**

Research Interests

- Cyber Security
- Computer Networks
- Machine Learning
- Image Processing
- Computer Vision
- Deep Learning

● **ORGANISATIONAL SKILLS**

Instructor

Worked as an active instructor in the Cisco Networking Academy program. As a NetAcad Instructor, delivered Cisco Networking Academy courses to students.

01/12/2024 - CURRENT

Advisor to Students Exchange Program

- Awareness Session
- Handling Online Procedures for Applications
- Documents Verification
- Visa Process
- Course Mapping

Link <https://rio.riphah.edu.pk/>