

Lt Cdr Sufyan Muhammad Khan PN

Khan Brother Azad Qubail Orakzai

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OBJECTIVE

Seeking a full-time position in a growing, dynamic, and reputable organization, where I can combine my skills and talent to provide better services for the organization and in return have a challenging career.

PERSONAL INFORMATION

Date of Birth	06-09-1991
N.I.C No	37405-8263012-9
Marital Status	Married
Religion	Islam
Nationality	Pakistani

ACADEMIC QUALIFICATIONS	DIVISION	YEAR
PhD (CS) Dept. of Information Technology SMIU, Karachi, Pakistan	Research work (Cyber Security in Wireless Communications Networks)	
MS (Telecomm & Networks) Dept. of Computing & Technology Iqra University, Islamabad, Pakistan	1 st	2016
BS (CS) Dept. of Computer Science F.U.U.A.S.T, Islamabad, Pakistan	1 st	2012
Diploma (D.A.E Electronics) P.B.T.E, Lahore, Pakistan	1 st	2007
SSC (Science Group) B.I.S.E. Rawalpindi. Pakistan	2 nd	2004

MAJOR SUBJECTS

- **Computer Science**
Intro to Computer Science, Introduction to Computer Programing, Operating system, DBMS, ADBMS, C, C++, Computer Architecture, Data structure and Algorithm, Analysis of Algorithm, OOP, PYTHON
- **Telecommunication**
Wireless Communication, Satellite Communication, Digital Communication, Signal and Systems, Wave Propagation & Antenna Theory, Microwave Engineering, Optical Fiber Communication
- **Networks**
Data Communication, Next Generation Network, Network Communication, Advance Data Network, Computer Network, Network Simulation & Modeling, Network Management
- **Electronics**
Digital Logic Design, Electromagnetism, Electronics, AC & DC Circuits
- **Artificial Intelligence**
Object Detection Algorithm (YOLO), GENETIC Algorithm, Particle Swarm Optimization, Artificial Neural Network

NETWORK CERTIFICATE

- HCNA (Routing & Switch)
- CCNA (Routing & Switch)

CYBERSECURITY COURSE

- Ethical Hacking and Cybersecurity

NETWORK COURSES

- MCSE (CISCO Sept 2011 – Feb 2012)
- CCNA (CISCO Sept 2011 – Feb 2012)
- PACKET TRACER
- NS2

WORK EXPERIENCE

- **July 2023 to Onwards**
(NRDI & PNEC, NUST)
 - Work as a Senior Research Officer at Research & Development Wing (R&DW), Naval research & Development Institute (NRDI), Karachi
 - Work as a Lecturer/ Instructor in Computer Science Department at PNEC, NUST
- **Oct 2019 to June 2023**
(Telecomm Sector in PAK Navy)

Works as a System Engineer Long Term Evolution4G (LTE 4G), Satellite Communication, Microwave Communication Network and Optical Fiber Communication Network.
- **July 2015 to Oct 2019**
(Department of Computer Science and Technology)
 - Lecturer of Computer Science at Superior college, Rawalpindi
 - Lecturer of Computer Science at Superior University, **Rawalpindi Campus**
 - Lecturer of Telecomm and Networks at Superior University, **Rawalpindi Campus**
- **August 2014 to June 2015**
(Department of Computer Science and Technology)
 - Lecturer of Computer Science at Raees ul Ahrar College (**R.A.C**), Rawalpindi
 - Lecturer of Computer Science at Global Institute of Lahore (**R.A.C Campus**), Rawalpindi
 - Lecturer of Telecomm and Network at Global Institute of Lahore (**R.A.C Campus**), Rawalpindi
 - Lecturer of Computer Science at Punjab University (**R.A.C Campus**), Rawalpindi
 - Lecturer of Computer Science at Sargodha University (**R.A.C Campus**), Rawalpindi
 - Work as a Network Administrator in Raees ul Ahrar College (**R.A.C**), Rawalpindi
- **Teacher Assistant**
 - From **March 2009 to August 2012** with Assistant Professor of Computer Science Department at Federal Urdu University of Arts, Science and Technology, Islamabad
- Work as a **Network Administrator** of Islamabad Region in Punjab Group of Colleges (PCG)
- Work as an **INTERNE** in **Wireless Local Loop (WLL)** in PTCL for 6 weeks.

PUBLICATIONS

- Incremental Voting Based Spectrum Sensing Model for Cognitive Radio Networks
- **Journal Name** International Information and Engineering Technology Association: Review of Computer Engineering Studies
- **Publication Year** 30 June 2018
- Design And Implementation of A Machine Learning Based Frame Work For Real Time Detection Of Network Traffic Anomalies And Cyber Threats
- **Journal Name:** Spectrum of Engineering Science
- **Publication Year:** 09 June 2026
- Multiple Node Deployment Strategies (**Under Review**)
- **Journal Name** Springer Nature/ Wireless Network
- AI-Powered Cybersecurity: Graph Based Anomaly Detection in Network Traffic
- **Journal Name:** Journal of Engineering and Computational Intelligence Review (JECIR)
- **Publication Year:** 19 June 2026
- Calibrated Positive and Unlabeled Learning for Data Efficient Intrusion Detection in Wireless Networks (**Under Progress**)
- Comparative Analysis of Machine Learning Techniques for Network Intrusion Detection in Cyber Security with a Diverse Metric Based Performance Assessment (**Under Progress**)
- Artificial Intelligence-Based Intrusion Detection Systems for Cyber Security Applications (**Under Progress**)
- Machine Learning-Based Detection and Classification of Advanced Persistent Threats in Enterprise Cybersecurity Systems (**Under Progress**)

PROJECTS

- Creations of LAN's
- Works on Wireless Local Loop
- Creation of 60 PC's LAB with server
- Deployment of LTE 4G Network
- Deployment of Microwave Communication Network

- Deployment of Optical Fiber Communication Mesh Network

ATTRIBUTES AND DEMONSTRATED ABLITIES

- Ability to work independently and in team environment.
- Well-developed planning skills.
- A self-motivated and pro-active approach to work.
- Excellent communication skills.
- Able to promote and encourage positive teamwork with colleagues.

LANGUAGES

	READ	WRITE	SPEAK
PASHTO	✓	✓	✓
URDU	✓	✓	✓
ENGLISH	✓	✓	✓
PUNJABI	✓	✓	✓

REFERENCES

- **Dr. Moeen Uddin Tariq**
Assistant Professor
Department of Computer Science, NUML, Isb
0332-1777394
- **Dr. Muhammad Usman Hashmi**
Assistant Professor
Electrical Engineering Department, Bahria Uni, Isb
Contact: 0333-5376480