Muhammad Ali

NETWORKING AND TELECOM ENGINEER

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Education

BE. AVIONICS

CAE, National University of Sciences and Technology (NUST), IBD | November 2018 - October 2022

Bachelor of Engineering - Avionics Engineering – Majors: Engineering Circuit Analysis, Data Communication & Networks, Analogue and Digital Communications, Avionics System Design, Microwave and Antenna Theory

Certifications

CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)

Information Systems Audit and Control Association, ISACA, IL

2/5/2025 – English – Global Web Delivery Test Center

Research Experience

BE PROJECT

CAE, NUST, IBD | November 2021 - October 2022

Researched and implemented Image Stitching Algorithm using Unity Game Engine and Oculus for 360 degrees combination of video feeds from four different cameras

Awards and Accomplishments

LETTER OF APPRECIATION – DEVELOPMENT OF SOFTWARE DEFINED DATA CENTRE
Sep 2025 – PAKISTAN AIR FORCE

HRCA ENGLISH CREATIVE WRITING CONTEST – GOLD MEDAL
May 2017 - HUMAN RESOURCE COMPETITION ASSOCIATION

ENGLISH CHOIR CONTEST – RUNNERS UP
Apr 2014 – THE CITY SCHOOL SARGODHA

MITSUBISHI PUBLIC AFFAIRS COMMITTEE AWARD
Apr 2011 – MITSUBISHI ASIAN CHILDREN'S ENIKKI FESTA

Professional Experience

NETWORKING AND TELECOMMUNICATIONS ENGINEER

Pakistan Air Force | July 2023 – Present

- Set up and Administered Active Directory

- Integrated ROIP with LTE Network
- Set up on-premise Cloud Server (Nextcloud)
- Implemented, Managed and Operated Software Define Data Centre (VMware vSphere)
- Administered Next Generation Networks
- Administered POTS and IPX Systems
- Administered LTE EPC and eUTRAN
- Operated and Administered OFC infrastructure

AVIONICS ENGINEER

Pakistan Air Force | October 2022 - July 2023

- Performed Root Cause Analysis for Aircraft Air Occurrence (Avionics)
- Upgraded Ground-based Avionics Support Systems
- Managed Avionics Maintenance Efforts at Intermediate Level.

Professional Courses

4G NETWORK FUNDAMENTALS

Mar 2025

Institut Mines-Télécom (IMT) – Credential ID RVSJFBEWR6IA

FOUNDATIONS OF CYBERSECURITY

Oct 2023

Google – Credential ID LAN7856EY6R4

FREELANCING

Oct 2023

DigiSkills.pk – Credential ID UEJXRHMK5

THE BITS AND BYTES OF COMPUTER NETWORKING

Oct 2023

Google – Credential ID KU7QS4V348JW

EXCEL FUNDAMENTALS FOR DATA ANALYSIS

Feb 2023

Macquarie University – Credential ID BSUC7G2LSJBX

EXCEL SKILLS FOR BUSINESS: ESSENTIALS

Feb 2023

Macquarie University – Credential ID 5F7MPYENRJGM

TECHNICAL SUPPORT FUNDAMENTALS

May 2022

Google – Credential ID CA5QK4NMHGNU

PROGRAMMING FOUNDATIONS WITH JAVASCRIPT, HTML AND CSS

Feb 2022

Duke University – Credential ID FKXBG2E9B72Q

Supplementary Courses

INTRODUCTION TO PSYCHOLOGY

Sep 2023

Yale University – Credential ID DA9YFUWH86KN

AN INTRODUCTION TO AMERICAN LAW

Apr 2023

University of Pennsylvania – Credential ID XGP9FS3QEF84

DECENTRALIZED FINANCE (DEFI) INFRASTRUCTURE

Mar 2023

Duke University – Credential ID FV3N66N6YLJS

CHINESE FOR BEGINNERS

Feb 2023

Peking University – Credential ID M7V7K4KV43QS

DIGITAL INFORMATION LITERACY

Feb 2023

The State University of New York – Credential ID HR2G2NHGTZJU

INTRODUCTION TO INTERNATIONAL CRIMINAL LAW

Feb 2023

Case Western Reserve University – Credential ID U87V2SM7R389

Skills

• Docker	• Computer Networking	• Domain Name System
• 4G technology	• Server Administration	• Programming
• Linux	• Active Directory	• Avionics

Hobbies, and Volunteer Work

• Books	• Professional Courses Instruction at Pakistan Air Force
• Football	• IEEE Membership – Apr 2023 – Dec 2023
• Sargodhians Old Boys Association	• World WETLANDS Day Junior Ambassador Painting