

# 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

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## 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

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## 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**

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### 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**

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

## **Hobbies, and Volunteer Work**

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• 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