

# MUHAMMAD UMAIR

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## Cybersecurity Student

NE 387/4, St.#5, Mohallah Awanabad, Dhoke Ilahi Baksh, Rawalpindi

+92 321 5882249

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umair7047@gmail.com

## CAREER SUMMARY:

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An aspiring Cybersecurity student with proven leadership and organizational skills. Also having holistic knowledge in network security, C++, python, reverse engineering and android security.

## EXPERIENCE:

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### TeacherOn

Teaching C++ | 2020-2022

### Air University Bits & Bytes Society

General Secretary | 2021

### Air University Startup Club

Departmental Head | 2020

### Air University Writers Club

Departmental Head | 2020

## EDUCATION:

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### Air University, Islamabad

BS Cybersecurity & Digital Forensics | September, 2019 - Present

- Computer Networks
- Reverse Engineering & Vulnerability Assessment
- Cryptography
- Operating System
- Network Security
- Ethical Hacking & Defence
- Wireless Security

## CERTIFICATIONS:

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### EC-Council

Certified Penetration Testing Professional | 2022

- OSINT
- External Network Penetration Testing
- Internal Network Penetration Testing
- Web Application Penetration Testing
- Wireless Penetration Testing
- IoT Penetration Testing
- Cloud Penetration Testing
- Report Writing and Post Testing Actions

### Google

IT Support Professional Certificate | 2021

- Technical Support Fundamentals
- The Bits and Bytes of Computer Networking
- Operating Systems and You: Becoming a Power User
- System Administration and IT Infrastructure Services
- IT Security: Defense against the digital dark arts

### University of Maryland

Cybersecurity Specialization | 2020-2021

- Usable Security
- Software Security
- Cryptography
- Hardware Security
- Capstone Project

### International Cyber Security Institute (ICSI)

Certified Network Security Specialist | 2020

- Fundamentals of Firewalls
- Intrusion Detection Systems
- Virtual Private Network (VPN)
- Operating Systems Hardening
- Security Policies & Standards
- Network Attacks & Defence

## University of Stanford

### Machine Learning | 2020

- Linear Regression
- Logistic Regression
- Neural Networks
- Support Vector Machines
- Anomaly Detection
- Unsupervised Learning

## Huawei

### HCIA-AI | 2020

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Regularization
- Deep Learning
- TensorFlow

## PROJECTS:

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### AREV

AI-based Reverse Engineering Tool for Android Applications. An indigenous tool that reverses android apks using smali as intermediate language.

### Database Management System

GUI-based tool implemented using C# as frontend language. MySQL was used as the database server.

### Syntax Checker

A tool that checks for syntax mistakes in C++ code using linked lists. It was related to Data Structure & Algorithm concepts.

### Office Security System

An office security system was designed as a semester project using OOP classes and inheritance. It covered all the bases of object-oriented programming.

## SKILLS:

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|----------------------------|-----------------------|
| • C++/Python               | • Reverse Engineering |
| • Vulnerability Assessment | • Penetration Testing |
| • Android Security         | • Assembly Language   |