

# HAMID RAFIQUE

BS Cyber Security Student | Aspiring Cybersecurity Professional

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## PROFESSIONAL SUMMARY

Motivated BS Cyber Security undergraduate at Air University, Islamabad (Semester 1, strong CGPA), with hands-on experience in Linux, C++ programming, and frontend web development. Actively practices cybersecurity concepts on Hack The Box and TryHackMe. Holds multiple industry-recognized certifications in Python, Git, GitHub, Bash Scripting, AI Fundamentals, and Information Security. Eager to contribute to real-world cybersecurity challenges through internships and research.

## EDUCATION

### BS Cyber Security

Sep 2025 – Oct 2029 (Expected)

*Air University, Islamabad*

- ▶ Currently in Semester 2 with a strong CGPA
- ▶ Coursework: Programming Fundamentals (C++), Introduction to Cyber Security, Application of ICT, Discrete Mathematics, Functional English

### Intermediate (ICS) — Computer Science

Jan 2023 – Sep 2025

*Fazaia Inter College (FIC)*

- ▶ Studied Computer Science with focus on programming and ICT fundamentals

### Matriculation — Computer Science

Jan 2021 – Jan 2023

*Fazaia Inter College (FIC)*

## PROJECTS

### ICT Quiz Website – Interactive Learning Platform

Nov 2025 – Dec 2025

*Air University | Application of ICT Course*

- ▶ Built a responsive frontend web application featuring 6 subject-based timed quizzes (C++, Discrete Math, ICT, Cyber Security, English, Islamic Studies)
- ▶ Implemented real-time countdown timer, automatic scoring, and instant result feedback using Vanilla JavaScript
- ▶ Added quiz history tracking with browser local storage including timestamps, dark/light theme toggle, and mobile-responsive design
- ▶ Deployed on GitHub Pages with continuous integration; live updates pushed directly from repository
- ▶ Skills: HTML5 · CSS3 (Flexbox, Grid) · JavaScript · GitHub Pages

### Persistence Mechanism Simulator

Nov 2025 – Dec 2025

*Air University | Programming Fundamentals (C++) Course*

- ▶ Developed an educational C++ program simulating how malware persistence mechanisms operate, in a safe academic environment
- ▶ Implemented core concepts: repeated execution, state retention, conditional re-launching, and file handling
- ▶ Demonstrated defensive cybersecurity awareness by modeling attack patterns for educational analysis and mitigation
- ▶ Skills: C++ · File Handling · Control Structures · Cybersecurity Concepts · Windows API

### Security Analysis of Metasploitable 2 Using Tenable Nessus

Nov 2025 – Dec 2025

*Air University | Introduction to Cyber Security Course*

- ▶ Set up a full penetration testing lab: Kali Linux, Tenable Nessus Essentials, and Metasploitable 2 as target machine

- ▶ Conducted vulnerability scans identifying Critical/High/Medium/Low severity issues including Telnet, VSFTPD 2.3.4, and NFS flaws
- ▶ Ethically exploited identified vulnerabilities to demonstrate unauthorized access and privilege misuse
- ▶ Applied remediation steps (removing insecure services, patching, NFS hardening) and verified fixes with follow-up scans
- ▶ Skills: Tenable Nessus · Vulnerability Assessment · Linux Security · Ethical Hacking · Remediation

## TECHNICAL SKILLS

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**Programming:** C++ (Intermediate), Python (Fundamentals), HTML5, CSS3, JavaScript (Vanilla JS)

**Cybersecurity:** Vulnerability Assessment, Tenable Nessus, Ethical Hacking (Beginner), Linux System Security, Malware Analysis Concepts

**Version Control & DevOps:** Git, GitHub, GitHub Pages, Bash Scripting, Command Line (Linux/Windows)

**AI & Data:** AI Fundamentals, Data Literacy, Prompt Engineering (ChatGPT/GPT Intermediate)

**Web Development:** Responsive Design, Flexbox, CSS Grid, DOM Manipulation, Local Storage API

**Platforms & Tools:** Hack The Box, TryHackMe, Kali Linux, VS Code, GitHub Pages, Metasploitable 2

## CERTIFICATIONS

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Certification	Issued By	Date
AI Fundamentals	DataCamp	Mar 2026
Data Literacy	DataCamp	Mar 2026
GitHub Foundations	DataCamp	Mar 2026
Introduction to GitHub Concepts	DataCamp	Mar 2026
Intermediate Git	DataCamp	Mar 2026
Introduction to Git	DataCamp	Mar 2026
Introduction to Python	DataCamp	Mar 2026
Intermediate ChatGPT	DataCamp	Mar 2026
Introduction to Bash Scripting	DataCamp	Mar 2026
ISO/IEC 27001:2022 Information Security Associate™	SkillFront	Dec 2025

## EXTRACURRICULAR & LEARNING

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- ▶ Hack The Box – Actively solving cybersecurity challenges covering system security and Linux fundamentals
- ▶ TryHackMe – Practicing offensive and defensive security concepts in guided learning paths
- ▶ Self-directed learning in Object-Oriented Programming (OOP) with C++ and Python
- ▶ Completed 20+ hours of structured online courses on DataCamp in data, AI, and development tools