

# Ayesha Atta

Contact Number: +923151725214

Email: ayesha.atta1725@gmail.com

GitHub: <https://github.com/Aish689>

LinkedIn: <https://www.linkedin.com/in/ayesha-khan-6684b72b0/>

Address: Tehseel Piplan, Kundian, Mianwali, Pakistan

## PERSONAL PROFILE

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Passionate Computer Science graduate with a strong foundation in networking, cybersecurity, and Linux environments. Experienced in building security solutions like phishing URL detectors, SOC alerting systems, and penetration testing projects. Skilled in securing network layers and integrating techniques such as email alerting and multi-source URL analysis to strengthen enterprise security.

## EDUCATION

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### University of Sargodha

*Bachelor of Computer Science*

Pakistan, Sargodha

*Oct. 2021 –June 2025*

### Superior College Mianwali

*ICS*

Pakistan, Mianwali

*2019-2021*

### Government Girls High School

*Matriculation*

Pakistan, Mianwali

*2017-2019*

## PROJECTS

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### SOC-Centric Phishing Analyzer & Alert Engine (SOCPhish) | *Kali Linux, Python3, Mailtrap*

- Developed "PhishGuard," an automated Python-based phishing URL detection system with multi-source input scanning, real-time email alerts, and detailed reporting features.
- Currently extending this project into a research-oriented study focused on enhancing SOC workflows through real-time threat detection and alert automation.

### Penetration Testing on OWASP Juice Shop | *Burp Suite, OWASP ZAP, Docker, Kali Linux*

- Performed web app pentest on Juice Shop (intentionally vulnerable). Discovered XSS, SQL Injection, Broken Access Control. Documented findings and provided mitigation suggestions .

### Automated Port Scanner in Python | *Python (socket), Nmap*

- Developed a Python script to scan IP ranges and detect open ports. Integrated Nmap for service version detection. Used logging for result tracking and output reports.

### Network Traffic Monitoring with Wireshark | *Wireshark*

- Captured and analyzed real-time packets on a home network. Identified suspicious packets and demonstrated DNS hijacking example. Exported logs and flagged abnormal traffic.

### AI Powered Attendance System FYP | *andriod studio,firebase,python,javaScript*

- Developed an AI-powered online attendance system that verifies presence through device ID and location tracking, eliminating proxy attendance. Integrated performance monitoring based on working hours to enable rewards and bonuses.

### Network Infra for an Organization | *Cisco Packet Tracer*

- Constructed and simulated a Network infrastructure for an organization, ensuring the integrity and end to end communication of Devices using Cisco Packet tracer.

### Online Shopping Store App | *Java, XML, Firebase, Android Studio*

- Developed an online shopping store app using Firebase as backend with an interactive GUI created through XML

## SKILLS

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**Languages:** Python,Bash,PHP, C++, C, Java, HTML, CSS, XML, JavaScript

**Tools:** Nmap, Wireshark, Burp Suite, Metasploit, OWASP ZAP, Nessus , Andriod Studio, linux, Firebase, Replit, VS Code, Codeblocks, Google Colab, Dev Cpp

**Subjects:** Computer Networks,Cryptography, Internet Architecture and Protocols, Data Structures, Objected Programming, Information Security, Operating System, , AI,Web Development , Android App development

## CERTIFICATIONS/ AWARDS

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- **Certified Ethical Hacker (CEH) — Certificate of Completion**

*LinkedIn Learning Community, 2025*

- **IBM Cybersecurity Analyst—(In Progress)**

*Coursera , current*

- **Linux System Administration — Certificate of Completion**

*KodeKloud, 2024*

- **Google Cybersecurity —(Studiying)**

*Coursera*

- **CompTIA Security+ — Certificate Of Completion**

*LinkedIn Learning Community, 2025*

- **AWS Certified Cloud Practitioner (CLF-C02) – Cloud Concepts**

*LinkedIn Learning, 2025*

## EXTRACURRICULAR EXPERIENCES

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### Member Event Management Society

- Served 1 year as an active member of Event Management Society, arranging multiple events along with team.
- Cert for being Volunteer of Admission ongoing process.