

# Muhammad Talal Ahmed

## SOC Analyst

✉ mail@ta1al.com 📍 Pakistan 🔗 ta1al.com 🌐 ta1al

Cybersecurity Enthusiast with a strong foundation in computer science, currently pursuing a bachelor's degree. Passionate about ethical hacking, network security, and threat detection. Actively building hands-on skills through coursework, personal projects, and Capture the Flag (CTF) events.

### Certificates

#### TryHackMe SOC Level 1 Analyst

71 hands-on labs introduced a wide array of tools and real-life analysis scenarios

#### Google Cybersecurity Specialization 🔗

8 Course Specialization covering all aspects of Cybersecurity

#### Ignite Cybersecurity Training Workshop 2024 🔗

Workshop hosted by Ministry of IT and Ignite

#### Python for Everybody Specialization 🔗

7 Course Python Specialization

### Experience

2025 – present

#### President, Programming Society, Sargodha University

- Leading a team to organize workshops, competitions, and collaborative projects for students across all semesters
- Mentored junior members and coordinated with faculty to align events with academic and career development goals
- Expanded active membership and introduced domain-specific tracks (Web Dev, AI, Cybersecurity)

Jul 2025 – Sep 2025

#### IT Intern, Jauharabad Sugar Mills Pvt Ltd

- System Administration
- Network Configuration
- User Support

Jun 2024 – Sep 2024

#### Cybersecurity Fellowship, Bytewise 🔗

- Learned professional Cybersecurity practices
- Mentored by an Industry Professional

### Projects

Jun 2025

#### Machine Learning for Polymorphic Malware Detection

- Built a system to detect advanced Windows malware using behavioral analysis of API calls.
- Used real malware samples and sandbox reports to train models like Random Forest and XGBoost.
- Reduced false positives and improved detection accuracy with data preprocessing and model tuning.
- Achieved **over 96% detection rate** and **under 5% false positive rate** on new malware.

### Education

2022 – 2026

#### BS Computer Science, Sargodha University

CGPA: 3.76 (After 5 Semesters)

Relevant Coursework: Network Security, Information Security, Artificial Intelligence

Activities: President of Programming Society, Managed university CTF team