Musharaf Maqbool

+91 6006997908 — musharafmaqbool06@gmail.com — linkedin.com/in/musharafmaqbool06 — github.com/musharafmaqbool — Portfolio

Education

National Institute of Technology, Srinagar — **Nov 2022 – June 2026**
Bachelor of Technology in Information Technology — CGPA: 7.118/10 — *Srinagar, J&K*

Govt. Boys Higher Secondary School, Handwara — **2018 – 2020**
Higher Secondary (Science - PCM) — *Handwara, J&K*

New Millennium School, Handwara — **Completed 2018**
Secondary School (10th) — *Handwara, J&K*

Experience

Ministry of Electronics and IT (MeitY) – CDAC Noida — **Jan 2025 – Feb 2025**
Cybersecurity Intern — *Onsite*

- Automated threat intelligence collection from MISP, VirusTotal, and AlienVault OTX.
- Correlated IOCs in STIX 2.0 format with CVEs using NVD and Nessus scan data.
- Built Elasticsearch + Kibana dashboards for real-time threat–vulnerability analytics.

Projects

Sentinel Browser Extension | *React, JavaScript, FastAPI, Python, RoBERTa*

- Developed a browser extension that detects phishing pages and dark patterns in real time.
- Implemented DOM scanning with MutationObserver to analyze dynamic webpage content.
- Integrated a FastAPI backend exposing ML inference APIs for phishing detection.
- Designed the system to support RoBERTa-based classification alongside rule-based detection.

Threat Intelligence Platform and Open Source Contributions | *Python, MISP, Elasticsearch, Kibana, Nessus, Virus*

- Developed an end-to-end threat intelligence correlation platform by integrating MISP with Nessus vulnerability scans and the National Vulnerability Database (NVD).
- Automated the ingestion and enrichment of Indicators of Compromise (IOCs) from AlienVault OTX, VirusTotal, and MISP threat feeds using Python and MISP modules.
- Processed STIX 2.0 threat intelligence exports, extracted IOCs and CVEs, and built Elasticsearch indices for efficient correlation and search.
- Designed Kibana dashboards to visualize threat intelligence, vulnerability exposure, and correlated security events for faster analysis.
- Contributed to the MISP open-source project by resolving a duplicate NIDS export rule bug, improving database export warnings, and collaborating with maintainers through GitHub pull requests and code reviews.

Technical Skills

Programming Languages: C, C++, Python, JavaScript, SQL

Web Technologies: HTML, CSS, React.js, FastAPI

Cybersecurity: MISP, Nessus, VirusTotal API, AlienVault OTX, STIX 2.0, IOC Correlation

Tools: Git, GitHub, Linux, Elasticsearch, Kibana, Docker, Jupyter Notebook

Leadership / Extracurricular

- Co-lead of **Rang-e-Chinar** and **Tech-Veganza** outreach teams.
- Organized cultural and technical fests, handling coordination and communication.
- Interests: Anime, manga, cricket, and exploring emerging technologies.