



MD. Tanvir Rahman Pranto

Cybersecurity Enthusiast | Junior Red Team Analyst | Junior Penetration tester

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Summary

Cybersecurity professional with hands-on experience in penetration testing, vulnerability assessment, and red team operations. Previously worked at Walton Digitech Ltd, completed a 6-month Advanced Web Application Security & Bug Hunting program, and a 3-month internship as a Junior Red Team Analyst at ByteCapsule IT. Currently enrolled in the government-supported BDset program on Advanced AI & Machine Learning. Skilled in web security, bug hunting, network security, and professional reporting, with multiple relevant certifications and a strong focus on continuous learning.

Key Skill:

Python • Penetration Testing • Bug hunting • Linux OS • Burpsuite • OWASP Zap • Metasploit • Nmap

Experience

BDset (Government Project)

Rajshahi , Bangladesh

Trainee – Advanced AI and Machine Learning

Running (Ongoing)

Receiving advanced training on AI and ML technologies under a government-supported initiative.

- Learning model development, automation, and data-driven security solutions.
- Exploring AI-driven threat detection and cybersecurity use cases.
- Expanding technical skillset to integrate AI with modern security workflows.

ByteCapsule IT

Dhaka, Bangladesh

Junior Red Team Analyst (Internship) [Certified]

2025 (3 Months)

Worked on red team operations and simulated attack scenarios under senior analyst guidance.

- Executed reconnaissance, privilege escalation, and exploitation tasks in controlled test environments.
- Identified critical vulnerabilities and created professional-level penetration testing reports.
- Collaborated with the team to simulate real-world attack chains and improve defensive measures.
- Strengthened skills in offensive security tools, tactics, and procedures (TTPs).

ByteCapsule IT

Dhaka, Bangladesh

Cybersecurity Trainee – Professional Bug Hunting & Advanced
Web Application Security Testing [Certified]

2025 (6 Months)

Completed advanced training in web application security and hands-on penetration testing.

- Performed end-to-end penetration tests on multiple real-world web applications.
- Conducted vulnerability assessments using industry tools such as Nmap, Burp Suite, Metasploit, and OWASP methodologies.

- Developed skills in exploitation techniques, secure coding, and risk mitigation strategies.
- Prepared structured security reports documenting findings and remediation steps

Walton Digitech Ltd
IT Consultant

Dhaka, Bangladesh
2023 (6 Months)

Provided customer-focused sales support and executed marketing activities to increase brand visibility and product reach.

- Assisted customers in selecting suitable PCs and laptops based on requirements, budget, and use-case needs.
- Delivered detailed product guidance, improving customer satisfaction and increasing conversion rates.
- Supported sales operations through client communication, product demonstrations, and follow-up management.

Projects

Linux-Based Executable Signing Utility (exe_signer)

GitHub

Role: Red Team Operation | **Tech:** Python, OpenSSL, osslsigncode

GitHub: https://github.com/zerotwo5/exe_signer.git

- Developed a specialized Linux-based code-signing tool for Red Team operations and authorized security testing.
- Implemented Windows .exe signing, self-signed certificate generation, and multiple signing modes.
- Added batch signing support and an interactive menu-driven interface for efficient automation.
- Designed the tool to streamline code-signing workflows for red teams, penetration testers, and security researchers.

Key Strengths

Strong Problem-Solving



Able to quickly analyze issues and deliver clear, effective technical solutions.

Fast & Adaptive Learner



Rapidly adapts to new tools, technologies, and security methodologies.

Teamwork & Leadership



Organized, collaborative, and capable of guiding teams toward shared objectives.

Certification

Akamai

Coursera

Networking Fundamental

February 2025

IBM

Coursera

Hands-on introduction to Linux Commands and Shell Scripting

March 2025

University of Colorado

Coursera

Linux Server Management & Security

March 2025

Education

North Bengal International University

Rajshahi, Bangladesh

Bachelor's Degree in Computer Science

2023 – Running

Bangladesh Polytechnic Institute, Rajshahi

Rajshahi, Bangladesh

Diploma Degree in Mechanical Technology

2017 – 2021

Skills:

Web Application Security • Vulnerability Assessment • Network Security • Red Team Operations • Linux Administration • CLI Tools • Wireshark • OWASP Top 10 • Reporting & Documentation • Git & GitHub • Social Engineering • Python • Pandas • Numpy • Matplot-lib

Language

Bengali Native • • • • •

English Advanced • • • • •

Find me online:



GitHub

<https://github.com/zerotwo5>



Linkedin

<https://www.linkedin.com/in/pranto025/>



WhatsApp

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Reference

Md. Roni Mahabub ----

Trainer Bdset Project

High-tech Park, Rajshahi

Training youth in programming fundamentals and introductory AI concepts

<https://www.linkedin.com/in/ronimahabub/>

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Md. Shafiuzzaman ----

Lecturer Dept. of CSE

NBIU, Rajshahi

Academic mentor with strong expertise in Computer Science and student guidance.

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