

# M Tabarik Asif

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A Computer Science university graduate with Exceptional experience in information security, security engineering, automation and vulnerability assessment. Focused on applying my expertise to improve security infrastructures, protect systems, and continually learning new technologies and methods

## Professional Experience

### Cybersecurity Specialist (2024-present)

#### DigiKhata | Fintech Application and Infrastructure Protection

- Mobile and Web Application Security:** Conducted and managed comprehensive security assessments and penetration tests for Android, iOS, Flutter, and web applications within a fintech environment, identifying vulnerabilities in code, networks, data flows, cloud infrastructure, and CI/CD pipelines. Implemented advanced encryption, authentication measures, and secure DevSecOps practices to protect sensitive financial data and ensure regulatory compliance.
- Server, Infrastructure, and Vulnerability Management:** Secured Linux and Windows servers by configuring firewalls, IDS/IPS, and implementing continuous monitoring. Conducted regular vulnerability assessments and penetration tests on servers, APIs, and databases, ensuring adherence to least privilege principles and executing timely remediation of identified threats.
- Proactive Security and Risk Management:** Designed and implemented robust DDoS prevention and mitigation strategies, enhanced API and database security protocols, and established a comprehensive vulnerability management program. Conducted continuous risk assessments, prioritized threat remediation, and ensured compliance with ISO 27001 standards.

### Bug Hunting - Ethical Hacking (2020-present)

#### BugCrowd, Hackerone | Penetration Testing

- Discovered and reported high-impact bugs like SQLi, XSS, IDOR, Broken Authentication, and Data Exposures.
- Resolved P1 authentication bypass on Coca-Cola and XSS vulnerability on Tecno, earning Hall of Fame.
- Collaborated with Ethical Hackers and Security Teams, Ensuring quick issue resolution through professional communication.

### Virtual Internships | Job Simulations (2023-2024)

#### Mastercard, ANZ Australia, JPMorgan & Co | Security Analyst

- MasterCard:** Served as an analyst on Mastercard's Security Awareness Team, helping identify and report threats.
- ANZ Australia:** Investigated e-mails, Analyzed PCAP files to identify malicious behaviors.
- JPMorgan Chase & Co:** Implemented Access control on organization level, optimized network defense mechanisms.
- SAP:** Executed phishing simulations and strengthened various systems and security groups.

## Projects

- Web Vulnerability Scanner:** FYP that can scan web applications and networks for OWASP TOP 10
- Python Keylogger:** A Python Keylogger with extended capabilities of recording audio and screenshots.
- Automation:** Developed diverse automation Projects including automated Reconnaissance, templates, and bash scripts.
- AWS WAF Deployment:** Designed and implemented AWS WAF, setting ACLs, bot control integrations, IP Sets etc.
- Semester Projects:** Multiple semester projects, including LLM Hacking, NLP-based chatbots, exploring tech stacks.
- Home lab:** Actively building and maintaining a simulated Active Directory Environment with monitoring tools (10+).
- CTF & Hackathons:** Actively participate in several CTF and cybersecurity hackathons.

## Education & Qualifications

### Bachelor of Computer Science

Hazara University, 2024

**Key Courses:** Operating Systems, Computer Networks, Information Security, Web Engineering, Programming (SQL, Python)

**IBM Cybersecurity Analyst**  
IBM Technologies, 2023

**CompTIA Security+**  
CompTIA, 2024 (Udemy)

**Google Cybersecurity Professional Certificate**  
Google, 2023

**Business English Communication Specialization**  
University of Washington, 2024

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## Technical Skills

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- Foundational understanding in networking technologies, **TCP/IP stack, network protocols**, and IT infrastructure.
- Solid understanding of programming concepts and experience with **Python, Bash, GO, PowerShell**.
- Practical experience with penetration testing web applications across different technologies and tools (**Burpsuite, Nmap, Nikto, Metasploit** etc)
- Worked with **Splunk SIEM, SPI**, and writing detection alerts.
- Knowledge of Linux Ecosystem, including basics of the **Linux kernel, writing IP table rules**, navigating the shell, and writing shell scripts.
- Understanding of how to configure and maintain a **Windows Active Directory Environment**.

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## Soft Skills

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- **Teamwork:** Collaborated with security professional and Security Operation Centers.
- **Problem-Solving:** Helped security teams solve critical bugs.
- **Adaptability:** Can easily adapt to new situations.
- **Ethics:** Strong ethical and moral values.
- **Curiosity:** Quick learner and curious to learn new things and grow.
- **Presentation:** Enjoy to presenting with unique ideas that are easy to understand.

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## Accomplishments

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- **Hall of Fame:** Recognition from Tecno and Submission Shogun L3 on Bugcrowd for identifying and resolving critical vulnerabilities.
- **President of the Society of Computer Technology:** Served as president SCT organizing 10+ departmental activities, 3 workshops, and 2 project exhibitions (recognized by the Higher Education Commission).
- **Township Welfare Foundation:** Member of the executive committee, overseeing 4 community projects.
- **Blood Donation Camps:** Organized 3 blood donation camps on campus, collecting over 150 units of blood.
- **Computer Technology Performance Award:** Received the award for outstanding contributions.