Muhammad Bilal

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SUMMARY

Passionate cybersecurity student with hands-on experience in security tools, techniques, and projects. Adept at collaborative problem-solving, continuous learning, and applying technical expertise to address security challenges, seeking an entry-level cybersecurity role to contribute to organizational security goals while advancing knowledge in a dynamic, fast-paced industry.

EDUCATION

Bachelor of Science in Cyber Security

University of management and Technology · Lahore, Pakistan · 2025 · 3.3 CGPA

EXPERIENCE

Social Media Manager

SparkED   **December 2024 - Present**

· Increased social media reach by 60% and follower engagement by 45% through strategic campaigns and targeted content.
· Developed and implemented content strategies, driving a 30% increase in all social media platforms.
· Analyzed performance metrics to optimize posts and align campaigns with marketing objectives.
· Collaborated with cross-functional teams to ensure consistent branding and enhance community engagement across platforms.
· Managed scheduling and publishing for multi-channel campaigns, maintaining a steady audience growth reach.

PROJECTS

Website Penetration Testing

UMT · April 2024 - July 2024

· Conducted a penetration test on a ticket exchange platform and identified **5** critical vulnerabilities, including authentication flaws and injection attacks.
· Mitigated **87%** of identified vulnerabilities by providing detailed remediation strategies.
· Tools/Technologies: Burp Suite, Nikto, Feroxbuster, Nmap, Nessus, Maltego.
· Skills: Vulnerability Assessment, Network Scanning, Manual and Automated Penetration Testing, Report Writing.

Research Paper: Zero-Day-Vulnerability

UMT · github.com/Mian-Muhammad-Bilal/Research-paper-on-Zero-Day-Vulnerability.git · February 2024 - June 2024

· Conducted in-depth research on **zero-day vulnerabilities**, analyzing their discovery, life cycle, disclosure, exploitation, and mitigation strategies.
· Included real-world case studies to demonstrate the impact of zero-day vulnerabilities on cybersecurity.
· Explored detection and mitigation techniques, including machine learning and vulnerability intelligence.
· Published findings emphasizing the importance of proactive security measures and threat intelligence.

WIFI Duck

UMT · github.com/Mian-Muhammad-Bilal/Wi-Fi-Duck-Wireless-Keystroke-Injection-Tool.git · December 2023 - February 2024

· Developed a **WiFi-based attack tool** enabling remote payload execution via a wireless interface.
· Successfully tested on **9+** laptops, achieving a **75%** success rate in executing payloads remotely.
· Designed and implemented WiFi Duck, allowing real-time payload execution, modification, and deployment through an intuitive web interface.
· Components: Arduino Pro Micro ATmega32U4, ESP8266.
· Key Skills: Payload Creation, Microcontroller Programming, WiFi Networking, Penetration Testing.

SKILLS

· **Vulnerability Assessment & Remediation** (Nessus, OpenVAS)
· **Network Security & Packet Analysis** (Wireshark, Nmap, Packet Tracer)
· **Penetration Testing** (Burp Suite, Nikto, WPScan, Feroxbuster, Maltego)
· **Digital Forensics & Investigation** (IDA Pro, Ghidra, Autopsy, FTK Imager)
· **OSINT** (Data Gathering & Analysing)
· **Malware Analysis** (Static Analysis, Dynamic Analysis)
· **OS/Kernel** (Kali Linux, Ubuntu, Arch, Tails OS, Windows)
· **Languages** (Python, C++, C, MySQL, C#)
· **Frameworks** (Django, React)
· **Git, GitHub, VMware, VirtualBox**
· **Social Media Management**
· **Digital Marketing**