Swapnil Bhowmik

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Brief Summary

I am a final year MCA student with a strong UNIX & FOSS background. I leverage hardware knowledge to build robust software solutions. Passionate about optimizing performance, security, and exploring new functionalities. Seeking a Software, Cloud & DevOps role to contribute and grow.

Projects

1. **Skriptz | Bash, Linux, Git**   *May, 2024 - Present*
   - Developed and maintained a comprehensive repository of shell scripts for cybersecurity audits, network scanning, and streamlining operational efficiency for cybersecurity professionals.
   - Offered customizable scripts to test, optimize, and configure systems based on users' needs.
   - Implemented a meta script that dynamically executes based on the user's environment (Linux or Windows).
   - **Project Link:** github.com/iamb4uc/Skriptz

2. **Very Dynamic Window Manager (VDWM) | C, Linux, Git, GNU Make**   *April, 2023 - Present*
   - Built a high-performance personal window manager in C, prioritizing a minimal codebase for both efficiency and security.
   - Designed for broad compatibility, this window manager runs on most devices post-2005 and can handle limited hardware resources.
   - Delivered sub-second responsiveness due to its C Codebase.
   - **Project Link:** github.com/iamb4uc/vdwm

Achievements

Name:	Reason	Date-Obtained
GitHub Pull Shark:	Opened multiple Pull Requests (PR) on major projects that have been accepted.	May 8, 2023
GitHub Quick Draw:	Closed a software issue within 5 minutes of it being published.	April 20, 2023
GitHub YoLo	Had a Pull Request (PR) merged without it being reviewed.	April 18, 2023

Certifications

Certificate	Issuer	Platform	Date-Obtained
Google Cybersecurity Professional Certificate	Google	Coursera	August 2024
Practical CyberSecurity for CyberSecurity Practitioners	IIT Kanpur	Swayam/NPTEL	November 2024
Cyber Security & Hacking	Techvanto Academy	Techvanto Academy	July 2024

Technical Skills

Core	Operating Systems, Computer Networks, Virtualization, Computer System Architecture, Cloud Computing, Database Management Systems.
Languages	C, C++, Bash, Python, Php, Java.
Frameworks	CISSP, NIST RMF, NIST CSF, OWASP, MITRE ATT&CK, TIBER-EU.
Tools	Nmap, Wireshark, Burp Suite, Metasploit, QEMU / KVM, VMware, Docker, Git, Nessus, Snort, SIEM (Splunk, Chronicle).
Database	MariaDB / MySQL, Oracle.
Others	LaTeX, Markdown, GNU Make, GNU Debugger (GDB).
Soft Skills	Communication, Detail Oriented, Time Management, Collaboration, Adaptability.

Education

Course	Institute/Board	CGPA	Time Period
Masters in Computer Applications (MCA)	Lovely Professional University	80.0%	2023-2025
Bachelors in Computer Applications (BCA)	Assam University	87.4%	2020-2023
Senior Secondary	Secondary Education Board of Assam	63%	2018-2020