

Swapnil Bhowmik

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Education

Lovely Professional University	Since, 2023
Masters of Computer Applications (MCA) TGPA: 7.84	Phagwara, Punjab
Assam University	2020 - 2023
Bachelors of Computer Applications (BCA) CGPA: 8.52	Silchar, Assam
Senior Secondary, Secondary Education Board of Assam	2018 - 2020
Holy H.S. School CGPA: 6.40	Silchar, Assam

Experience

Cybersecurity Trainee	June 2024 - July 2024
Techvanto Academy	
<ul style="list-style-type: none">Acquired hands-on experience in cybersecurity principles and system administration tasks.Developed and implemented a secure password manager using Python, integrating it with MySQL/MariaDB.Enhanced system efficiency by leveraging Linux OS features and optimizing configurations.Conducted vulnerability assessments and implemented security measures to protect system integrity.	

Projects

DOOMSDAY System C, Python, Linux, Git, Bash	Since March 2024
<ul style="list-style-type: none">Developed a high-performance terminal emulator with a lightweight window manager and centralized dot-file configuration to optimize system efficiency and user control.Automated setup and configuration processes using advanced Bash scripts, streamlining device initialization.Github Repository	
Skriptz Shell-Scripting, Linux, Git, Python, Docker	Since May 2024
<ul style="list-style-type: none">Developed a versatile repository of cybersecurity scripts—including a meta script adaptable to diverse environments—to enhance audit and scanning capabilities.Integrated multiple scanning and auditing tools to streamline usability.Github Repository	
SimplePass Python, MariaDB, Docker, Linux, Cryptography	June 2024 - July 2024
<ul style="list-style-type: none">Developed a secure password manager in Python with MariaDB, leveraging AES 256-bit encryption and robust security practices to safeguard credentials.Enhanced user interaction with an intuitive CLI built using the Rich library.Github Repository	

Certificates

Google Cybersecurity Professional Certificate	August 2024
Google via Coursera	
Cyber Security & Hacking	July 2024
Techvanto Academy	
Go (Basic)	July 2024
HackerRank	
SQL (Basic & Intermediate)	July 2024
HackerRank	

Skills

Core: Networking, Operating Systems, Hardware Troubleshooting, Cryptography, Virtualization, Cloud Computing, DBMS, System Administration, Cybersecurity, Access Control, Automation, Incident Response and Analysis.

Languages: C, Shell Scripts, Go, Python.

Database: MySQL, Oracle, PostgreSQL, SQLite.

Tools: Git, Linux, Vi/Vim, Windows, Nginx, Apache, Cisco Packet Tracer, Tcpdump, Nmap, Wireshark, VMware, QEMU/KVM, Nessus, Snort, Metasploit Framework, Burp Suite, Docker, Kubernetes, Postman.

Others: LaTeX, Markdown, Google Workspace, Microsoft 365.

Soft Skills: Communication, Problem Solving, Time Management, Collaboration, Adaptability, Creativity, Growth Mindset.