

# DEBASIS BISWAS

BCA Student | Cloud Security | DevSecOps

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## Summary

BCA student at B.P. Poddar Institute of Management and Technology with hands-on experience in DevSecOps, cloud and infrastructure security, Linux systems, and infrastructure automation. Skilled in building secure and containerized applications, automating CI/CD pipelines, configuring reverse proxies, system hardening, and managing scalable environments using Docker, Jenkins, Azure Pipelines, Ansible, and modern web technologies. Focused on secure infrastructure, automation, observability, and security-focused engineering.

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## Technical Skills

Languages: Python, Go, JavaScript/TypeScript, C, Bash, SQL

Security & DevSecOps: Web Application Security, Vulnerability Assessment, Security Automation, System Hardening, Secure CI/CD, Container Security

DevOps & Infrastructure: Azure Pipelines, Jenkins, Docker, GitHub Actions, CI/CD, Ansible, Linux Administration, Infrastructure Automation, Reverse Proxies

Systems & Networking: Linux, FreeBSD, TCP/IP, DNS, HTTP/HTTPS, Firewalls, System Monitoring, Server Configuration

Web & Frameworks: React, Next.js, Tailwind CSS, REST APIs

Infrastructure & Platforms: Caddy, Nginx, Git/GitHub, Cloudflare, GHCR

Databases: MySQL, MongoDB, SQLite

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## Technical Projects

### URL Checker: Next.js, TypeScript, VirusTotal API

- Built a phishing and malicious URL analysis platform with real-time threat detection and secure API integration.

### CVE Scanner CLI — Python, Docker, Snap, Winget

- Developed a CLI vulnerability lookup tool integrating public CVE databases with Docker deployment and package distribution via Snapcraft and Winget.

### vuln-scan — JavaScript, OSV.dev, NVD

- Developed a dependency vulnerability scanning CLI for npm, pnpm, and yarn packages using OSV.dev and NVD APIs.

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## Certifications:

- Cisco - Cisco Ethical Hacker
- Cisco - Network Addressing and Basic Troubleshooting
- Cisco - Network Support and Security

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## Education:

Bachelor of Computer Applications (BCA)

B.P. Poddar Institute of Management and Technology (BPPIMT), Salt Lake,  
Kolkata

Expected Graduation: 2028

- Coursework: Networking, Operating Systems, Cloud Computing, DevSecOps, Web Application Security