

Kirat Singh

Cybersecurity & Software Development Student — 20+ Security & Software Projects — BCA 2027
kirat152006@gmail.com — +91 9560106353 — Faridabad, India
kirat-singh2006.github.io — linkedin.com/in/kirat-singh-a312a4252 — github.com/kirat-singh2006

Education

Don Bosco Institute of Technology, New Delhi Expected Jun 2027
BCA in Computer Applications — **CGPA: 8.34/10** (First Year; Semester 1: 8.69, Semester 2: 8.05)

Technical Skills

Programming: Python, C, Java, JavaScript (Beginner) — built games, automation tools, and network security utilities
Cybersecurity: Nmap, Port Scanning, Packet Sniffing, Firewall Automation, Honeypots, SIEM Solutions — developed tools for monitoring and intrusion detection
Web & Databases: HTML/CSS, MySQL — personal portfolio site and database-driven apps
Tools: OpenCV, YOLOv8, Watchdog, MS Office, Google Workspace

Technical Experience

Independent Cybersecurity & Software Projects 2024–Present

- Developed **20+ tools and applications** in networking, security, and computer vision domains.
- Built a **YOLOv8-based real-time object detection system** (90%+ accuracy) with OpenCV, processing 20+ FPS live webcam feeds.
- Created network security tools including a **port scanner with banner grabbing**, **Python packet sniffer**, and **password brute-force tester**.
- Designed a **Lightweight SIEM solution** for small-scale networks with event monitoring and automated alerts.
- Implemented a **Honeypot and Firewall Simulator** for intrusion detection and simulated firewall rules.
- Developed real-time log monitoring tool that detects brute-force attempts, sends desktop alerts, and dynamically updates Windows firewall rules.
- Built games and utility software including a 2048 clone, MP3 player (Java), password strength tester, and pixel art converter.

Certifications

- Commonwealth Bank of Australia Job Simulation (Forage)
- Brainiacs competition 2025
- Generative AI for All – IIT Delhi, Tryst 2025 — Participated in a technical workshop on generative AI concepts and applications.