

Chetan Akre

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INTRODUCTION

Final-year MCA student with a B.Voc in Cybersecurity (2024), interested in cybersecurity, IoT, networking, and Linux systems. Hands-on experience building IoT and embedded systems projects, with strong problem-solving skills and the ability to quickly learn and apply new technologies through academic projects and self-learning.

KEY PROJECTS

Office Security Prototype

- Developed robust C/C++ and Python programming frameworks to streamline sensor integration processes; decreased development timeline by approximately four weeks through efficient coding practices.
- Integrated various sensors for motion detection, access control, and environmental monitoring.
- Programmed in C/C++ and Python for sensor integration and data processing.

Network Security Scanner

- Developed a network security analysis tool that identified critical vulnerabilities, decreasing scan times by 25% and improving overall system hardening efforts.
- Utilized Python and Bash scripting for network reconnaissance and scanning.

Veterinary Management Project

- Developed a system for veterinary clinic operations and data management.
- Applied problem-solving and system design principles to address real-world requirements.

EDUCATION

Master of Computer Applications (MCA)

2024 – 2026

GH Raisonni Skill Tech University, Nagpur

Bachelor of Vocational (B.Voc) in Cybersecurity

2021 – 2024

St. Vincent Pallotti College of Engineering & Technology, Nagpur

CERTIFICATIONS & CONTINUOUS LEARNING

- Digital Forensics Certificate** — SWAYAM Online Learning Platform
- IoT & Security Workshops** — Hands-on training in embedded systems and security practices
- Cyber Crime First Responder** — Certified by CCIO, ISSI
- Self-directed Learning** — Continuous exploration of new security tools and IoT technologies

TECHNICAL SKILLS

Programming Languages:C/C++, Python, Bash/Shell Scripting, SQL

IoT & Embedded Systems:Arduino, Raspberry Pi 4, ESP32 Microcontroller

Operating Systems:Linux OS & Command-Line Tools, Terminal/CLI System Administration

Networking:Network Security Concepts, TCP/IP, Subnetting, VLANs, Firewalls

Security:Network Security Concepts, Home Automation Security Implementation, Vulnerability Scanning