

Akshit Kohli

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EDUCATION

PDM University — Bachelor of Computer Applications (BCA) Haryana, India
Jamia Hamdard (Online) — Master of Computer Applications (MCA) | Pursuing 2026 – 2028

EXPERIENCE

Python Developer | Crow Cyber Security, Delhi, India | 2025 – Present

- Built backend systems for cybersecurity tools including threat monitoring and automation.
- Worked on ShieldXDR and Data Loss Prevention (DLP) systems.
- Developed anti-phishing systems to protect users from malicious web attacks.
- Currently building CrackTheLab — a CTF-based cybersecurity learning platform.

PROJECTS

CrackTheLab | Django, Next.js, PostgreSQL

- Built a cybersecurity learning platform featuring CTF-style challenges with automated flag validation.
- Designed a challenge management system with dynamic difficulty scaling and user progress tracking.

Online Drawing Game | Django, Next.js, WebSocket

- Developed a real-time multiplayer drawing game with WebSocket synchronization for live canvas updates.
- Implemented room-based matchmaking and scoring logic ensuring a seamless multiplayer experience.

Encrypted Chat System | Django, Next.js, PostgreSQL, Cryptography

- Built an end-to-end encrypted chat system ensuring server-side message confidentiality.
- Implemented asymmetric key exchange and AES encryption for secure peer-to-peer communication.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Rust, HTML, CSS

Databases: SQL, MongoDB

Frameworks: Django, Next.js

Tools & Technologies: Git, Docker, Redis, Kubernetes, Linux

Cloud: AWS, Azure

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), Cybersecurity, Operating Systems, Computer Networks