

Aditya Bhatt

CONTACT

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SKILLS

- Cybersecurity Expertise: VAPT, Application Scanning, Cryptography
- Scripting: Bash, Powershell
- Cloud Computing: AWS
- Programming Languages: Java, Python, C, C++
- Database Management: MySQL, Oracle SQL
- Version Control: GitHub
- Containerization: Docker
- Network Security and Analysis

EDUCATION

- BTech in Computer Science and Engineering (2022-2026)
Amity University Uttar Pradesh
Current CGPA: 8.48
- Senior Secondary School (Class XII)
Somerville School, Vasundhara Enclave
Percentage: 89.8%
- Secondary School (Class X)
Somerville School, Vasundhara Enclave
Percentage: 94.8%

Information Security Analyst | Vulnerability Assessment Specialist | Penetration Tester

Dedicated final year BTech CSE student with expertise in Cybersecurity, VAPT and Cryptography, backed by global certifications. Skilled in problem-solving and innovation, seeking a role to enhance organizational security through advanced assessment and defense strategies.

CERTIFICATIONS

- Certified Ethical Hacker (CEH) by EC-Council
- CompTIA Security+
- Professional Certificate Program in Cybersecurity - Red Team by IIT Kanpur (Capstone Projects)
- Qualys Web Application Scanning Certification
- Cisco NetAcad: ◦ Ethical Hacker ◦ Introduction to Cybersecurity ◦ Endpoint Security ◦ Networking Basics ◦ Networking Devices and Initial Configuration ◦ Introduction to Packet Tracer
- NPTEL - Systems and Usable Security (Elite Silver)
- Amazon Web Services Certified Cloud Practitioner
- Postman API Fundamentals Student Expert

EXPERIENCE

- **Penetration Tester | VulnOS (July 2025 – September 2025)**
Actively performing live penetration tests across VulnOS environments. Focused on real-time vulnerability assessment, exploitation, and secure reporting of platform weaknesses.
- **CNS TC Cybersecurity Intern | EY (May 2025 – July 2025)**
Built an automated compliance auditing system tailored for frameworks like ISO 27001, HIPAA, GDPR, PCI DSS, SOX etc. Designed a multi-phase pipeline to extract, evaluate, and visualize policy compliance from internal documentation, streamlining enterprise audit workflows. Containerized the entire system using Docker for easy deployment.
- **Security Analyst | Conversia-AI (January 2025 – March 2025)**
Conducted VAPT for Conversia's home site and client websites using Nessus and Acunetix. Performed manual testing, strengthened cloud security by managing AWS IAM and enhanced overall cybersecurity posture for the AI chatbot startup.

PROJECTS

- **KeySentry: API Key & Secret Leak Detector**
Tech Stack: Python, TypeScript, Docker
Dual interface secret scanner (CLI + frontend) that detects leaked API keys (supports 25+ formats) and sensitive files in GitHub or local codebases using regex and entropy-based checks. It generates structured JSON reports and supports Docker for easy deployment.

- **PixelPhantomX: Ghost Image Generator to Confuse AI Models**

Tech Stack: Python

A privacy-focused tool that generates ghost images by modifying visual data to confuse AI models using adversarial noise and pixel obfuscation to disrupt machine perception while preserving human visibility. Available on GitHub and PyPI for easy integration into AI privacy workflows.

- **ShadowHash: All in One Crypto Solution**

Tech Stack: Java, HTML, CSS, JavaScript

Cryptographic platform with a self-developed ShadowHash encryption algorithm, offering encryption, breach detection, password generation, hash creation, comparison and malware scanning, ensuring robust security and usability spanning across 28 webpages.

- **AWS-ScriptEngine: Automated AWS Operations**

Tech Stack: PowerShell Scripting, Bash Shell Scripting

A collection of Bash and PowerShell scripts for automating AWS tasks, including CLI setup, S3, EC2, and DynamoDB management, streamlining cloud operations for Linux and Windows users.

ACHIEVEMENTS

- **Publication**

- Book chapter titled “Robotics and Cybersecurity Fundamentals: Understanding Robotics, Penetration Testing Tools and Attack Vectors” accepted for publication in Book “Robot Automation: Principle, Design and Applications” (CRC Press, Taylor & Francis, Scopus Indexed) on 11/02/2025
- Book Chapter titled “Hacking Generative Artificial Intelligence: Data Privacy via Image Poisoning” submitted for publication in book “Blockchain solutions for securing IOT networks: Practical applications and case studies”.
- Published multiple cybersecurity and scripting-related articles on Medium, featured in InfoSec WriteUps, OSINT Team, System Weakness, AWS in Plain English, Artificial Intelligence in Plain English, Stackademic, Python in Plain English, JavaScript in Plain English, Cubed, Venture and GoPenAI.

- **Hacknovate 5**

Secured Top 10 (Offline Category) in Hacknovate 5.0 (May 2024) with Team API Alchemist at ABES IT, Ghaziabad.

- **TryHackMe**

Ranked in the Global Top 2% on TryHackMe, showcasing expertise in cybersecurity, ethical hacking, and VAPT through solving advanced, real-world challenges.

ADDITIONAL TRAININGS

- Forage Cybersecurity Job Simulator - ○ Deloitte ○ PWC ○ MasterCard ○ Telestra ○ Datacom ○ ANZ ○ AIG ○ TCS ○ Commonwealth Bank
- Amazon Web Services Educate Getting Started with Security (AWS IAM)
- TryHackMe - ○ Jr Penetration Tester ○ Web Fundamentals
- Microsoft Learn - ○ SC-200: Configure your Microsoft Sentinel environment ○ Get started with the Linux command line and the Shell ○ Introduction to GitHub
- SimpliLearn Training - ○ ISACA CISM (Certified Information Security Manager) ○ ISC2 CCSP (Certified Cloud Security Professional) ○ CompTIA Network+ ○ Introduction to Cyber Security ○ Linux Training
- Cisco NetAcad - CCNA v7: Introduction to Networks Training
- EC-Council CodeRed - ○ Top 100 Interesting Bugs | Ethical Hacking and Bug Bounty ○ Getting Started with IoT Security ○ Introduction to Web Forensics ○ Cybersecurity: Cloud Security