



6 Courses

**Introduction to Ethical Hacking Principles**

**Ethical Hacking with Kali Linux**

**Exploitation and Penetration Testing with Metasploit**

**Network Traffic Analysis with Wireshark**

**Incident Response and Defense with OpenVAS**

**Ethical Hacking Capstone Project: Breach, Response, AI**



**SkillUp**

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**Manan Sethia**

has successfully completed the online, non-credit Professional Certificate

# IBM Ethical Hacking with Open Source Tools

Holders of this Professional Certificate are conversant with ethical hacking methodologies and industry-standard open-source tools, such as Kali Linux, Wireshark, Metasploit, and OpenVAS. Through hands-on labs and practical projects, they have effectively practiced applying these tools in penetration testing, network analysis, and vulnerability assessment. These professionals understand the ethical and legal frameworks governing cybersecurity practices and can effectively identify security vulnerabilities while adhering to responsible disclosure procedures. They are equipped to perform network traffic analysis, execute controlled exploits, and implement incident response strategies.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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