



## LEARNING PATH

# Web Fundamentals

Learn how to attack web applications through interactive and real-world exercises.

Modules

4

Hands-on labs

26

Difficulty level

 Easy

Enroll in path &gt;



A pathway to web application security.

- Understand web fundamentals
- Major vulnerabilities explained
- Learn industry-used tools
- Web application assessments

**CERTIFICATE OF COMPLETION**

this is to acknowledge that

.....  
has **successfully** completed the  
**Learning Path**

[DATE]



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CEO



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CTO



Complete this learning path and earn a certificate of completion

## Introduction

The aim of this path is to teach you how to attack web applications. To successfully attack and exploit web applications, you need to understand how they work. The first section (Web Fundamentals) will give you all the pre-requisite knowledge on this.

The second section (Security Tools) focuses on learning how to use Industry Standard tooling to interact with your targets.

The third section (Vulnerabilities) covers various vulnerabilities found in web applications today. This section will go over root causes of these vulnerabilities and give you hands on experience on exploiting them.

The final section (Practise Makes Perfect) will help you apply what you've learnt in previous sections.

After completing this path, you should be able to:

- understand how web applications work
- utilise industry standard tooling when attacking web applications
- explain and exploit common web vulnerabilities
- apply this knowledge to other targets (be it within an interview or a professional web applications security assessment)

## SECTION 1

### How The Web Works



DNS in detail

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HTTP in Detail

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How Websites Work

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Putting it all together

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## SECTION 2

### Introduction To Web Hacking



Walking An Application

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Content Discovery

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Subdomain Enumeration

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Authentication Bypass

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IDOR

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File Inclusion

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Intro to SSRF

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Intro to Cross-site Scripting

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Command Injection

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SQL Injection

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## SECTION 3

### Burp Suite



Burp Suite: The Basics

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Burp Suite: Repeater

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Burp Suite: Intruder

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Burp Suite: Other Modules

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Burp Suite: Extensions

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## SECTION 4

### Web Hacking Fundamentals



How Websites Work

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HTTP in Detail

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Burp Suite: The Basics

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OWASP Top 10 - 2021

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OWASP Juice Shop

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Upload Vulnerabilities



Pickle Rick

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