

● KSUM RECOGNIZED STARTUP

● STARTUP INDIA RECOGNIZED

AN INITIATIVE OF BRIGHTFORGE SOLUTIONS AND TECHNOLOGIES LLP

# BRIGHTFORGE HACKERS ACADEMY

**BRIGHTFORGE ADVANCED CYBER EXPERT PROGRAM**

BACE – 8-Month Certification-Aligned Cybersecurity Career Training

A comprehensive cybersecurity career development program for beginners, college students, graduates, career switchers, and job seekers. Build practical cybersecurity skills and prepare for an industry-recognized certification.

LEARN · PRACTICE · DEFEND · GROW

**8**

MONTHS

**32**

MODULES

**100%**

HANDS-ON

**Zero**

PREREQUISITES

**2 Certs**

ALIGNED

CompTIA Security+

Brightforge Certificate of Completion

↓ Scroll to explore

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# ABOUT BRIGHTFORGE

Brightforge Hackers Academy is a practical cybersecurity training institute focused on building industry-ready cybersecurity professionals through hands-on learning, internal cyber labs, certification-aligned training, and real-world security scenarios.

We are an initiative of Brightforge Solutions and Technologies LLP – a KSUM Recognized Startup and Startup India Recognized company – committed to closing the cybersecurity talent gap through quality, accessible education.

## — OUR MISSION

To deliver practical, high-quality cybersecurity training that combines technical knowledge, hands-on experience and professional guidance.

## — OUR GOAL

To help learners build the skills, confidence and professional mindset required to succeed in an evolving cybersecurity landscape.

## — OUR VISION

To be a trusted institution for cybersecurity education, recognized for developing skilled professionals who contribute responsibly to a safer digital world.



### Practical-First

Every concept reinforced with real hands-on labs and real security tools.



### Internal Cyber Labs

Our own isolated cyber range – no external dependencies for lab practice.



### Cert-Aligned

CompTIA Security+ preparation woven throughout the program.



### Career-Ready

Portfolio, interviews, LinkedIn and GitHub – we prepare the full professional.



### Government Recognized

Kerala Startup Mission (KSUM) · Startup India (DPIIT)

# THE BACE ROADMAP

A structured 8-month program across four learning phases – each phase building on the last, aligned to dual certifications.

01

## PHASE 1 Cybersecurity Foundations

- Introduction to Cybersecurity & Security Principles
- Networking Fundamentals (OSI, TCP/IP, DNS, HTTP)
- Linux Fundamentals & Windows Fundamentals
- Identity & Access Management
- Cryptography Fundamentals
- Security Architecture Fundamentals
- Risk Management Basics

02

## PHASE 2 Offensive Security Foundations

- Kali Linux & Security Tooling
- Reconnaissance & OSINT
- Scanning, Enumeration & Vulnerability Assessment
- Web Technologies & Web Security Fundamentals
- OWASP Top 10 – Practical Labs
- Security Assessment Methodologies & Reporting

03

## PHASE 3 Enterprise Security & Defensive Ops

- Windows Security & Active Directory Fundamentals
- Wireless Security & Android Security
- Cloud Security Fundamentals
- Security Operations Center (SOC)
- Security Monitoring & Incident Response
- Enterprise Security Concepts & Compliance

04

## PHASE 4 Career Development & Professional Readiness

- TryHackMe Learning Path & Hack The Box Foundations
- Git & GitHub Portfolio Development
- LinkedIn Optimization & Resume Development
- Interview Preparation & Professional Reporting
- Certification Preparation
- Capstone Project

8

MONTHS

32

MODULES

Zero

PREREQUISITES

2

CERTS

# PROGRAM HIGHLIGHTS

Everything designed to take you from zero to job-ready in 8 months – practical skills, two certifications, and a portfolio employers notice.



## Beginner Friendly

Zero background required. We start from "what is cybersecurity?" on Day 1 – no prior experience needed.



## Practical-First Training

Every session includes real practice in actual virtual labs using industry-standard security tools.



## Internal Cyber Labs

Our own isolated cyber range – Vulnerable Web Apps, Active Directory, Android, WiFi, and CTF environments.



## VPN Remote Lab Access

VPN-based remote access to our internal cyber lab infrastructure – practice anytime, anywhere.



## Certification Prep

CompTIA Security+ – curriculum built and aligned around this framework.



## CTF Challenges

Capture the Flag competitions embedded throughout the program to sharpen problem-solving skills.



## Portfolio Building

GitHub projects, LinkedIn profile, technical security reports, and capstone project showcase.



## Resume & Interview Prep

Mock interviews and ATS-friendly resume writing designed to make you interview-confident.



## Ethical Environment

100% legal, white-hat aligned. Every lab is isolated, controlled, and responsibly supervised.



## Capstone Project

End-to-end practical security project covering assessment, documentation, reporting, and presentation.

# FOUNDATIONS & OFFENSIVE SECURITY

Modules 01-15: From cybersecurity basics and networking through Kali Linux, web security, OWASP attacks, and security assessment methodologies.

<b>01</b>	<b>Introduction to Cybersecurity</b> Domains, threats, career paths, ethics, cyber law	<b>09</b>	<b>Kali Linux &amp; Security Tooling</b> Kali environment, package management, tool ecosystem
<b>02</b>	<b>Security Principles</b> CIA triad, security controls, defense in depth, risk management	<b>10</b>	<b>Reconnaissance &amp; OSINT</b> Passive/active recon, search intelligence, domain enumeration
<b>03</b>	<b>Networking Fundamentals</b> OSI/TCP-IP, IP addressing, subnetting, DNS, DHCP, ports	<b>11</b>	<b>Scanning &amp; Enumeration</b> Host discovery, port scanning, service enumeration, network mapping
<b>04</b>	<b>Linux Fundamentals</b> File system, user management, permissions, terminal, shell	<b>12</b>	<b>Vulnerability Assessment</b> Vuln management, CVSS, risk analysis, misconfigurations
<b>05</b>	<b>Windows Fundamentals</b> Architecture, user accounts, file systems, services, security features	<b>13</b>	<b>Web Technologies</b> Website architecture, sessions, cookies, APIs, auth mechanisms
<b>06</b>	<b>Identity &amp; Access Management</b> Authentication, MFA, RBAC, password policies, authorization	<b>14</b>	<b>Web Security Fundamentals</b> OWASP Top 10, injection, access control, XSS, misconfigurations
<b>07</b>	<b>Cryptography Fundamentals</b> Encryption, hashing, digital signatures, certificates, PKI	<b>15</b>	<b>Security Assessment Methodologies</b> Assessment lifecycle, scoping, documentation, findings & reporting
<b>08</b>	<b>Security Architecture Fundamentals</b> Firewalls, VPN, segmentation, cloud security basics		














# ENTERPRISE SECURITY & CAREER READINESS


Modules 16-32: Enterprise defenses, SOC operations, Android security, cloud, and a complete career development track ending with your capstone project.

<b>16</b>	<b>Windows Security</b> Security controls, logging, event monitoring, hardening	<b>24</b>	<b>TryHackMe Learning Path</b> Guided cybersecurity labs, security challenges, practical exercises
<b>17</b>	<b>Active Directory Fundamentals</b> Domains, forests, group policies, enterprise authentication	<b>25</b>	<b>Hack The Box Foundations</b> Beginner labs, security scenarios, problem-solving exercises
<b>18</b>	<b>Wireless Security</b> WPA/WPA2/WPA3, wireless threats, secure wireless design	<b>26</b>	<b>Git &amp; GitHub Portfolio Development</b> Git fundamentals, repo management, documentation, portfolio building
<b>19</b>	<b>Android Security Fundamentals</b> Android architecture, APK structure, mobile threat landscape	<b>27</b>	<b>LinkedIn Optimization</b> Professional branding, profile setup, networking strategy, recruiter visibility
<b>20</b>	<b>Cloud Security Fundamentals</b> Cloud models, shared responsibility, cloud risks & controls	<b>28</b>	<b>Resume Development</b> ATS-friendly resume design, cybersecurity writing, professional positioning
<b>21</b>	<b>Security Operations Center (SOC)</b> SOC structure, monitoring workflows, alert management, threat intel	<b>29</b>	<b>Interview Preparation</b> Technical & HR interviews, mock sessions, communication skills
<b>22</b>	<b>Security Monitoring &amp; Incident Response</b> SIEM fundamentals, detection engineering, incident response lifecycle	<b>30</b>	<b>Professional Reporting</b> Security reports, executive summaries, risk communication, documentation
<b>23</b>	<b>Enterprise Security Concepts</b> Governance, compliance, policies, asset management, BCP/DR	<b>31</b>	<b>Certification Preparation</b> Practice assessments, review sessions, exam strategies, cert roadmaps
		<b>32</b>	<b>Capstone Project</b> Information gathering, security assessment, analysis, reporting & presentation

# HANDS-ON LEARNING ENVIRONMENT

Industry-standard tools used by real cybersecurity professionals – introduced progressively in safe, guided internal lab sessions.

 <b>Kali Linux</b> Pen-testing OS	 <b>Wireshark</b> Packet analysis	 <b>Nmap</b> Network scanning	 <b>Burp Suite</b> Web app testing	 <b>OpenVAS</b> Vulnerability scanning
 <b>Wazuh</b> SIEM & monitoring	 <b>Metasploit</b> Exploitation framework	 <b>VirtualBox</b> Virtual lab env	 <b>GitHub</b> Portfolio hosting	 <b>TryHackMe</b> CTF platform
 <b>Hack The Box</b> Advanced labs	 <b>Juice Shop</b> OWASP web lab	 <b>MobSF</b> Android analysis		

 **Internal Cyber Labs**  
Students learn in a safe, isolated and ethical cybersecurity training environment – Vulnerable Web Applications, Active Directory Labs, Android APK Labs, Wi-Fi Security Labs, CTF Platform, and VPN-Based Remote Lab Access.

 <b>Virtual Machines</b> Isolated practice environments	 <b>Active Directory Lab</b> Corporate network simulation	 <b>Capture the Flag</b> Competitive challenge arenas
 <b>Android Security</b> Mobile app analysis labs		

CERTIFICATIONS & CAREERS

# CERTIFICATIONS & CAREER PATHWAYS

Dual certifications – and a full student deliverables package that sets you apart in every job application.

CERTIFICATION ALIGNMENT



### CompTIA Security+

Globally recognized baseline certification – curriculum aligned



### Brightforge Certificate of Completion

Academy completion certificate – full program aligned

PROGRAM OUTCOMES

- ✓ Strong cybersecurity foundations & Linux proficiency
- ✓ Hands-on lab experience across all security domains
- ✓ Security assessment knowledge & professional reporting
- ✓ Enterprise security & SOC operations awareness
- ✓ GitHub portfolio with real project repositories
- ✓ Optimized LinkedIn profile & ATS-ready resume
- ✓ Interview readiness with mock sessions included
- ✓ Capstone project – full security assessment experience

CAREER OPPORTUNITIES

Graduates leave with the skills and portfolio for these in-demand cybersecurity roles:

▸ SOC Analyst

▸ Security Analyst

▸ Junior Penetration Tester

▸ Vulnerability Analyst

▸ Security Operations Associate

▸ Security Research Intern

▸ Security Support Engineer

STUDENT JOURNEY

Learn → Practice → Build Portfolio → Certification → Career

# FREQUENTLY ASKED QUESTIONS

## Q. Do students need prior experience?

No. BACE is built for complete beginners. All that's needed is curiosity and a basic laptop. We start from "what is cybersecurity?" on Day 1.

## Q. Who is this program for?

Beginners, college students, graduates, career switchers, IT professionals, and job seekers who want to build practical cybersecurity skills and prepare for an industry-recognized certification.

## Q. What are the minimum laptop requirements?

Any laptop with 8GB RAM (16GB recommended), 100GB free storage, and the ability to run VirtualBox. Windows, Mac, and Linux are all supported.

## Q. How long is the program?

8 months covering 32 structured modules across four phases – Cybersecurity Foundations, Offensive Security, Enterprise & Defensive Operations, and Career Development.

## Q. Will I get a certificate after the program?

You receive a Brightforge Certificate of Completion. The curriculum fully prepares you for the CompTIA Security+ exam independently.

## Q. What labs will I have access to?

Students get access to our internal cyber range – vulnerable web apps, Active Directory labs, Android APK labs, Wi-Fi security labs, CTF environments, VPN-based remote lab access, TryHackMe, and Hack The Box.

## Q. Is everything taught legal and ethical?

100% yes. All practice is conducted in isolated, controlled internal lab environments. Everything aligns with white-hat standards and Indian cybersecurity law.

## Q. Will there be career support?

Yes. Career development is woven throughout – mock interviews, resume building, LinkedIn optimization, GitHub portfolio development, and career mentorship are all included.

## Q. What tools will I learn during the program?

Kali Linux, Wireshark, Nmap, Burp Suite, OpenVAS, Wazuh, Metasploit, MobSF, VirtualBox, GitHub, TryHackMe, Hack The Box, and OWASP Juice Shop – among others.

## Q. How do I enrol?

Contact us via phone, email, Instagram, or visit our location in Pathanapuram, Kollam. Seats are limited per cohort – early registration is strongly recommended.

# START YOUR JOURNEY TODAY

Building Future Cybersecurity Professionals Through Practical Learning. Reach out to secure your seat in the next BACE cohort.

## GET IN TOUCH



LOCATION

Near Opp. St. Stephen's School Ground

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## ENROL IN BACE

Seats are limited per cohort. Reach out on Instagram, phone, or email to secure your spot for the next batch of the Brightforge Advanced Cyber Expert Program.

- ✓ CompTIA Security+ Preparation
- ✓ Internal Cyber Range & VPN Lab Access
- ✓ 32 Structured Modules Across 4 Phases
- ✓ Career Development & Portfolio Building
- ✓ Mock Interviews & Resume Support
- ✓ Capstone Project & Certificate of Completion

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