

● KSUM RECOGNIZED STARTUP

● STARTUP INDIA RECOGNIZED

AN INITIATIVE OF BRIGHTFORGE SOLUTIONS AND TECHNOLOGIES LLP

BRIGHTFORGE HACKERS ACADEMY

CYBERSECURITY ESSENTIALS PROGRAM

CEP – 1-Month Beginner Cybersecurity Training Program

A beginner-friendly introduction to cybersecurity designed for students and aspiring professionals. Build real skills through practical labs, explore ethical hacking fundamentals, and kickstart your cybersecurity career – no prior experience required.

LEARN · PRACTICE · DEFEND · GROW

1
MONTH

10
MODULES

100%
HANDS-ON

Zero
PREREQUISITES

Brightforge Hackers Academy Certificate

Beginner Friendly · Career Focused

↓ 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.



Beginner Friendly

Zero prior knowledge required – we start from the very beginning.



Career Focused

GitHub, LinkedIn, and career roadmap built into the program.



Launch-Ready

Complete your foundations and step confidently into cybersecurity.



Government Recognized

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

THE CEP ROADMAP

A focused 1-month program across four learning weeks – each week building on the last, from computer fundamentals to career readiness.

01

WEEK 1

Cybersecurity & Computer Fundamentals

- Introduction to Cybersecurity & Cyber Threats
- Types of Hackers & Career Paths
- Computer Hardware & Operating Systems
- Virtualization Basics & VirtualBox Setup

02

WEEK 2

Networking & Linux Fundamentals

- IP Addresses, DNS, HTTP & HTTPS
- Ports & Protocols · Wireshark Introduction
- Linux Environment & Basic Commands
- File Management, Users & Permissions

03

WEEK 3

Ethical Hacking Fundamentals

- Kali Linux Environment & Security Tools
- OSINT & Information Gathering
- Web Security Basics & OWASP Awareness
- TryHackMe Beginner Rooms & CTF Labs

04

WEEK 4

Career Development & Final Project

- GitHub Portfolio Setup & Documentation
- LinkedIn Profile & Personal Branding
- Cybersecurity Career Roadmap
- Final Mini Project & Presentation

WHY CHOOSE CEP

Everything a beginner needs to build a confident foundation in cybersecurity – packed into one focused month of structured learning.



Beginner Friendly

Designed from the ground up for students with zero prior experience. No prerequisites, no barriers.



Practical Hands-On Labs

Every module is paired with internal lab activities – VirtualBox environments, Linux exercises, and guided security challenges.



Linux & Networking Basics

Get comfortable with Linux terminal, file system, networking concepts, and Wireshark packet analysis.



Ethical Hacking Introduction

First exposure to Kali Linux, OSINT, web security basics, and beginner TryHackMe CTF rooms.



GitHub & LinkedIn Setup

Build your digital professional presence – portfolio on GitHub and optimized LinkedIn profile from day one.



Certificate of Completion

Receive the Brightforge CEP Certificate upon successful completion of the program and final mini project.



Cybersecurity Awareness & Cyber Law

Students learn about Indian cyber laws, ethical hacking principles, and responsible digital citizenship alongside every technical module.

FOUNDATIONS & LINUX BASICS

Week 1 & 2: From cybersecurity awareness and computer fundamentals through networking and Linux command-line essentials.

01

Introduction to Cybersecurity

Threats, hackers, career paths, ethical hacking, cyber law

03

Networking Basics

IP addresses, DNS, HTTP/HTTPS, ports, protocols, Wireshark intro

02

Computer Fundamentals

Hardware basics, operating systems, Windows, VirtualBox setup

04

Linux Fundamentals

Linux environment, basic commands, file management, user & permission management

WEEK 1 PRACTICAL ACTIVITIES

- Virtual Machine Setup & Configuration
- Operating System Exploration
- Cybersecurity Awareness Activity

WEEK 2 PRACTICAL ACTIVITIES

- Linux Lab Exercises
- Network Traffic Analysis
- Wireshark Demonstrations

ETHICAL HACKING & CAREER READINESS

Week 3 & 4: Kali Linux, OSINT, web security basics, GitHub portfolio, LinkedIn, career roadmap, and final mini project.

05	Kali Linux Introduction Kali Linux environment, security tools overview, cybersecurity workflows	08	GitHub Portfolio Setup GitHub intro, creating repositories, documentation basics, portfolio building
06	Information Gathering & OSINT Open source intelligence, digital footprints, search techniques	09	LinkedIn & Career Roadmap Professional profile, personal branding, certifications overview, career growth paths
07	Web Security Basics How websites work, authentication, sessions, cookies, OWASP awareness	10	Final Mini Project Lab environment analysis, security observations, documentation & presentation
WEEK 3 PRACTICAL ACTIVITIES <ul style="list-style-type: none">- Internal Lab Exercises- Beginner TryHackMe Rooms- Guided Security Challenges		WEEK 4 PRACTICAL ACTIVITIES <ul style="list-style-type: none">- Mini Project Build & Documentation- Final Project Presentation- Certificate Ceremony	

HANDS-ON LEARNING ENVIRONMENT

Real cybersecurity tools introduced progressively in safe, guided internal lab sessions – the same tools used by professionals in the field.



VirtualBox

Virtual lab env



Kali Linux

Security OS



Ubuntu Linux

Linux practice



Wireshark

Packet analysis



GitHub

Portfolio hosting



TryHackMe

CTF platform



Internal Cyber Labs

Students learn in a safe, isolated and ethical cybersecurity training environment – Linux Lab, Networking Lab, Web Security Lab, TryHackMe Guided Labs, and VirtualBox Lab Environment.

VM

Virtual Machines

Isolated practice environments

NET

Networking Lab

Traffic analysis & protocols

CTF

Capture the Flag

Guided beginner challenges

WEB

Web Security Lab

Safe web attack scenarios

STUDENT OUTCOMES & NEXT STEPS

A strong foundation, a real portfolio, and a clear path forward – in just one month of focused cybersecurity training.

STUDENT OUTCOMES



Cybersecurity Foundations

Solid understanding of threats, types of hackers, ethical hacking concepts, and cyber law



Linux & Networking Skills

Terminal proficiency, basic Linux commands, and core networking concepts



Ethical Hacking Exposure

First-hand experience with Kali Linux, OSINT tools, and web security basics

STUDENT DELIVERABLES

- ✓ GitHub Profile with initial project repositories
- ✓ Optimized LinkedIn professional profile
- ✓ Completed Mini Project with documentation
- ✓ Cybersecurity career roadmap & direction
- ✓ Brightforge CEP Certificate of Completion

WHO IS THIS FOR?

CEP is designed for anyone curious about cybersecurity – no background required:

- ▶ School Students
- ▶ Higher Secondary Students
- ▶ College Students
- ▶ Technology Enthusiasts
- ▶ Career Explorers & Beginners

STUDENT JOURNEY

Learn → Practice → Build Portfolio → Career

Complete CEP and continue your journey with the [Cyber Analyst Program \(CAP\)](#) – the next level 4-month advanced track.

FREQUENTLY ASKED QUESTIONS

Q. Who can join CEP?

Anyone! CEP is designed for school students, higher secondary students, college students, and anyone curious about cybersecurity. Zero prior technical background is required – only curiosity and a laptop.

Q. Is this beginner friendly?

Absolutely. We start from "what is cybersecurity?" on Day 1. Every concept is introduced progressively with hands-on labs to reinforce learning at every step.

Q. What are the laptop requirements?

Any laptop with 4GB RAM (8GB recommended), 50GB free storage, and the ability to run VirtualBox. Windows, Mac, and Linux are all supported.

Q. How long is the program?

1 month covering 10 structured modules across four weekly phases – from cybersecurity basics through practical labs and career development.

Q. What certification do I receive?

Successful graduates receive the Cybersecurity Essentials Program (CEP) Certificate of Completion upon completing the program and final mini project.

Q. Is everything legal and ethical?

100% yes. All practice is conducted in safe, isolated, controlled internal lab environments. We follow white-hat principles and comply fully with Indian cybersecurity law.

Q. What comes after CEP?

CEP graduates are perfectly positioned to enrol in the Cyber Analyst Program (CAP) – the advanced 4-month track with deeper technical skills and full career development support.

Q. How do I enrol?

Contact us via phone, email, Instagram, or visit our location in Pathanapuram, Kollam. Seats are limited – 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 CEP cohort.

GET IN TOUCH



LOCATION

Near Opp. St. Stephen's School Ground

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ENROL IN CEP

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

- ✓ 1 Month · 10 Modules · 4 Weeks
- ✓ Internal Cyber Labs & VirtualBox Environment
- ✓ Beginner Friendly · Zero Prerequisites
- ✓ GitHub Profile & LinkedIn Setup
- ✓ Cybersecurity Career Roadmap
- ✓ Final Mini Project & Presentation
- ✓ Brightforge CEP Certificate of Completion

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