



TRAINING

ETHICAL HACKING

Revolutionizing Modern
Education with Modern
Technology

ABOUT LYFAUX



Lyfaux Technology is a privately held Software Development company, lyfaux is powered by a passion to invent an eternal commitment to advance the way the world wants. Being in the IT business for over many years, now Lyfaux has a strong team of skilled and experienced IT experts company in Bangalore, India.

We leverage in-depth industry and functional expertise with leading technology practices.

Here at Lyfaux, we are proud of our high-quality standards. These standards allow us to provide our customers with reliable and error-free software applications, Web/Mobile Applications regardless of complexity. Our top-notch developers use the latest technologies. This means that they can concentrate on our clients' business goals and keep them involved in every stage throughout the entire project. Today, Lyfaux products are currently used by people all over the world.

At Lyfaux, we have quality-minded staff, consisting of consultants, graphic artists, designers, developers, and programmers, who have the abilities and experience to create successful Software solutions for your needs.

The team brings innovation and passion with them. Their deep understanding of the software development and training business, experience in managing scalable implementations of large and small scale enterprises has enabled the company to build long-lasting relationships with our clients.

Lyfaux has the strength and experience to mobilize the right personnel with the necessary expertise in the right technologies to deliver right solution, on time, within budget, to the client to improve their performance.

Lyfaux employs Global Delivery through its on-site and off-shore development centers to deliver the right quality solution to business on time, within budget.

We believe that building IT around your digital roadmap and defining functional User Experiences are different and that you can't be great at both. You know your business the best, hence, to start off right, we offer products that you can tailor it by yourself and engage us only when our technical expertise is needed.

We've developed ourselves to be very good at leveraging the capabilities of our experts to provide a best-in-breed approach and to ensure ROI is not just a fancy term.

We mixed regimented and predictive project management philosophies like PMP and large requirements-driven projects with agile and rapid development.

We want you to get digitally transformed as quickly and effectively as possible, thereby enabling us to grow as well.



WEB APP DEVELOPMENT

Proficient designers of Lyfaux Technologies provide strategic designs that compliment the customers brand and accomplish their goals. As an accomplished web designing & development company in India, we assist the companies to develop across the web with our astounding and operational websites. For building intuitive and engaging websites we utilize the latest technology and creative style that helps to get an online presence for your business.



MOBILE APPLICATION DEVELOPMENT

In this dynamic modern world, no one can imagine a business without proper high-end mobile solutions. With massive knowledge and expertise gained through years of experience, our Mobile Application development team is always ready to take a step beyond your expectations. Lyfaux Technologies, the best mobile app development company in India is well equipped with the most advanced tools, technologies and pool of talented developers to meet individual business needs while ensuring exceptional user experience. We have an expert team of mobile app developers who create stunning mobile app designs. Our service expertise will cover all major Smartphone platforms including Android, and iOS.



DIGITAL MARKETING

We have a different approach for our services depending on the type of clients. We understand that not all clients have the same budget, objectives or goals.

In order to better tailor a plan that suits yourself or your business we have two primary approaches for our marketing services. Depending on whether you are a professional or a local business, we will create a scalable marketing strategy and creating a path for your success.



CYBER SECURITY AUDIT

Lyfaux Technologies offers security audit services to all the businesses. These audits include applications, Operating systems, Networks and policies implemented in the respective business.



ERP SOFTWARE

The Lyfaux Professional Service team offers Integration of ERP Solutions and consultation on the ERP models with an optimized delivery mode.

During COVID-19, services are being delivered virtually. As local situations evolve around business openings, you have the option to switch to on-site services when acceptable.

Leverage Lyfaux's in-depth knowledge, base of best practices learned from implementing hundreds of ERP and MES solutions across numerous businesses in different parts of the world .



TRAINING AND INTERNSHIPS

Lyfaux Technologies provides realtime industrial based training on different technologies. On-demand these courses are being launched to students and professionals, Who can access to all the courses anytime and anywhere on the globe. The students will be trained by renowned faculties in their respective domains.

OFFENSIVE SECURITY CERTIFICATION PROGRAM



The rapid and dramatic advances in information technology (IT) in recent years have without question generated tremendous benefits.



However, they have created significant and unprecedented risks to operations. Computer security has, in turn, become much more important as all levels of an organization to utilize information systems security measures to avoid data tampering, fraud, disruptions in critical operations, and inappropriate use of sensitive information.



After the boom in Networking and Software jobs, the past two years have seen a sharp rise in the field of information security. Information Security and Ethical Hacking is the latest buzzword in the industry. In the past five years, the percentage of hacking crimes, data thefts, data losses, viruses and other cybercrimes have increased exponentially.



Believe in yourself! In your own powers and strength.

“What Separates good content from great content is a willingness to take risks and push the envelope”

Takeaways

Tool Kit

Every participant will get tool kit with all the tools used during the Training along with all the required licence keys.

Certification

Every participant will be given Lyfaux Security Expert Certification.

Key Factors

Practical : Theory Ratio
7:3

Course Objectives

At the end of this course, participants will be able to:

- » Understand, perform and secure themselves from various kinds of Hacking attacks.
- » Understand Email attacks and will be able to protect their email accounts as well as social networking accounts from these attacks.
- » Understand Web Application Attacks and will be able to patch them to produce a secure web application.
- » Understand Security Architecture of Mobile Platforms.

Eligibility

- * Undergraduate and post graduate students from Computer Science, Information Technology and Electronics. Students from other backgrounds who are passionate about technology must be encouraged to participate.
- * All Computer Science, Electronics faculty members of the institution can also participate.

Infrastructure Needed

Seminar Hall with Audio-Visual Equipment:

- » Speaker with Microphone system
- » Internet (LAN/Wifi) Connection for live demos.

Prerequisites

Basic Knowledge of Computers & Internet.

Course Curriculum

INTRODUCTION TO ETHICAL HACKING

Introduction to Ethical Hacking
Types Hackers
Kinds of Hackers
Phases of Hacking
Types of Ethical Hacking Certifications
Security Triangle
Conclusion

BASICS OF NETWORKING

Introduction to Networks
Types of Networks
Internet Protocol
Public IP & Private IP
Static & Dynamic IP
Proxies, VPNs
Network Ports
Anonymous IP Tracking
Network Environment Analysis

Course Curriculum

BUILDING VIRUTUAL LAB

- Introduction to Virtualization
- Installation of VMWare
- Configuring XP OS in Virtual Machine
- Configuring WIN 7 OS in Virtual Machine
- Configuring KAIL LINUX OS in Virtual Machine
- Installation of VMWare tools
- Conclusion

SPOOFING ATTACK

- Introduction to spoofing
- Email Spoofing Attack
- Call Spoofing Attack
- MAC Spoofing Attack
- SMS Spoofing Attack
- Case Studies of Spoofing Attacks
- Prevention

Course Curriculum

MALWARES

- Introduction to Malware
- Types of Malwares
- Virus Making
- Virus Attack and Prevention
- Worm Making
- Worm Attack and Prevention
- Creating BackDoor
- Hack Windows by BackDoor
- Prevention of BackDoor
- Creating Trojan
- Trojan Attack and Prevention
- Types of Keylogger
- Keylogger Attack and Prevention

ANTI VIRUS

- Introduction to Anti Virus
- Types of Anti Virus
- Importance of Anti Virus Updates

Course Curriculum

DIGITAL FORENSICS

- How Data Stores in Memory
- How Data Recovery Works
- Recovering Lost Data
- Securing the Data
- Conclusion

GOOGLE HACKS

- Introduction to Google for Hacking
- Using various operators of Google
- Shodan search engine
- Finding Network Webcams, Target Networks and vulnerable websites
- Conclusion

Course Curriculum

BASIC ATTACKS AND SECURITY

Introduction to Phishing
Phishing Attack (Facebook/Gmail Hacking)
IDN Homograph Attack
DNS Poisoning Attack
Email Header Analysis
Social Engineering Techniques
Prevention

IDS, FIREWALL AND HONEYPOTS

Introduction
Working of IDS, Firewall, Honeypot system
Detection of Honeypots
Countermeasures & Evading tools
Conclusion

Course Curriculum

DENIAL OF SERVICE

Introduction to DOS Attack
DOS Attack Techniques
DDOS Protection Tools and Countermeasures
Conclusion

STEGANOGRAPHY

Introduction to steganography
Types of steganography
Using steganography tools
Extract hidden files and text
NTFS Alternate Data Streams
Conclusion

Course Curriculum

MOBILE HACKING

Introduction to architecture of various Mobile
Mobile Spy Using Malwares
Security Measures
Conclusion

WEB APPLICATION ATTACKS

Introduction to the Web Architecture
Security Misconceptions
SQL Basics
Types of SQL Injection
Cross Site Scripting Vulnerability
Session Hijacking
Conclusion

Course Curriculum

CRYPTOGRAPHY

Data Encryption

Data Encryption using Hash Calc, MD5 Calc,
Using various tools for encryption & decryption
and Tables

Conclusion

WIRELESS ATTACKS

Introduction to wireless architecture

Types of Wireless Networks

Introduction to Kali Linux

WEP/WPA hacking using Kali Linux

WiFi Deauth using IoT

Conclusion

CYBER LAWS AND SECURITY

Cyber Laws in India

Online Security Precautions

Conclusion - End of the Session

LYFAUX PROFESSIONAL TRAINING

PYTHON (COURSE)

PYTHON IS AN OBJECT-ORIENTED PROGRAMMING LANGUAGE THAT PROVIDES RAPID APPLICATION DEVELOPMENT. IT HAS HUGE DEMAND IN THE RAPID APPLICATION DEVELOPMENT FIELD DUE TO ITS DYNAMIC BINDING AND DYNAMIC TYPING OPTIONS.

PYTHON NEEDS A UNIQUE SYNTAX THAT COVERS READABILITY WHICH MAKES THE LANGUAGE EASY AND SIMPLE TO LEARN. IT SUPPORTS MODULES AND PACKAGES THAT ENABLE CODE REUSE AND PROGRAM MODULARITY.

CCNA (GLOBAL CERTIFICATION COURSE) :

CCNA STANDS FOR CISCO CERTIFIED NETWORK ASSOCIATE. IT IS A CATEGORY OF TECHNICAL CERTIFICATION OFFERED BY CISCO FOR NETWORKING PROFESSIONALS. CCNA IS DESIGNED TO IMPROVE, ENHANCE AND EVALUATE THE NETWORKING KNOWLEDGE OF AN INDIVIDUAL. THE CERTIFICATION VALIDATES THE HOLDER'S GENERAL ABILITY TO INSTALL, SECURE, OPERATE, AND TROUBLESHOOT ISSUES WITHIN ENTERPRISE NETWORKS. CISCO CCNA CERTIFICATION OFFERS PROFESSIONALS AN IN-DEPTH UNDERSTANDING OF NETWORKING CONCEPTS. IT HELPS NETWORKING SPECIALISTS KEEP UP-TO-DATE THEIR EXISTING SKILLS AND KNOWLEDGE. THE CREDENTIAL INCREASES THE EMPLOYMENT OPPORTUNITIES IN THE NETWORKING DOMAIN. IT WILL HELP THE CERTIFICATION HOLDER ADVANCE HIS CAREER, PROMOTIONS, AND NEW JOB OPPORTUNITIES WITH HIGHER SALARY PACKAGES.

OSCP (Global Certification Course) :

PUTTING THEORY INTO PRACTICE IS WHERE THE OSCP REALLY SHINES, AND IT IS ALSO WHAT SEPARATES IT FROM OTHER CERTIFICATIONS. THE OSCP PROCESS PROVIDES PROFESSIONALS WITH PENETRATION TESTING/ETHICAL HACKING SKILLS AND SOUND CONCEPTS OF THEIR APPLICATION ABILITIES. SUCCESSFUL OSCP TEST-TAKERS WILL NEED A STRONG UNDERSTANDING OF SECURITY PRINCIPLES AND PRACTICE AS THEY WILL BE RUNNING EXPLOITS AND RECOGNIZING COMMON ATTACK VECTORS IN AN ONLINE PENETRATION TESTING LAB THAT ENABLES THEM TO RESEARCH A NETWORK, IDENTIFY VULNERABILITIES AND ACT AS IF THEY WERE ATTACKING AN ORGANIZATION'S IT ENVIRONMENT.

CEH – CERTIFIED ETHICAL HACKER (GLOBAL CERTIFICATION COURSE) :

CERTIFIED ETHICAL HACKER (CEH) IS A QUALIFICATION OBTAINED BY DEMONSTRATING KNOWLEDGE OF ASSESSING THE SECURITY OF COMPUTER SYSTEMS BY LOOKING FOR WEAKNESSES AND VULNERABILITIES IN TARGET SYSTEMS, USING THE SAME KNOWLEDGE AND TOOLS AS A MALICIOUS HACKER, BUT IN A LAWFUL AND LEGITIMATE MANNER TO ASSESS THE SECURITY POSTURE OF A TARGET SYSTEM.

ETHICAL HACKING & CYBER SECURITY (COURSE) :

CYBERSECURITY TRAINING ENCOURAGES EMPLOYEES TO UNDERSTAND IT SECURITY ISSUES, IDENTIFY SECURITY RISKS, AND LEARN THE IMPORTANCE OF RESPONDING TO CYBERSECURITY ISSUES. PEOPLE ARE TRAINED IN INFORMATION AND SECURING THE DATA.

BUG BOUNTY HUNTING (COURSE) :

THIS COURSE IS NOT JUST BASED ON HOME LAB ENVIRONMENTS LIKE DVWA AND OTHER VULNERABLE WEB APPLICATIONS, INSTEAD THIS COURSE IS COMPLETELY BASED ON REAL LIFE SECURITY VULNERABILITIES THAT ARE REPORTED ON HACKERONE AND BUG CROWD. THIS IS THE PLACE, WHERE PEOPLE MAKE THOUSANDS OF DOLLARS IN A NIGHT BY JUST REPORTING ONE BIG BUG TO THE BIG COMPANIES

TRAINER PROFILE



Mr. BHARATH REDDY GAYAM is the Ethical Hacker & Cyber Security Trainer, a public speaker, youth motivator, tech geek and gadget freak.

Certified Ethical Hacker by EC-Council(The International Council of Electronic Commerce Consultants), Also the Core-Member of National Information Security council and Chapter Leader of Karnataka state from Hackers-Day organization.

and Associate Member of National Cyber Safety and Security Standards Organization, Youth ambassador of international youth society, Andhra Pradesh Sectary from National Youth Council of India and NATIONAL JOINT SECRETARY(IT) of National Youth Awardee Federation of India. Also, As an Ethical hacker he fights with cyber-criminals to prevent real-time cyber-crimes and he was featured in various print Medias and magazines.

He trained many individuals directly through various seminars such as Educational Sectors (University's & Colleges) and more than many personally through online platform. On ethical

AWARDS AND HONORS

1. RECEIVED LIMCA BOOK OF RECORDS AWARD IN 2017 FOR (50-HRS NON-STOP CYBER SECURITY MARATHON). INSTITUTED BY LIMA BOOK OF RECORDS.
2. RECEIVED GLOBAL YOUNG LEADERS FELLOWSHIP AND KARMAVEER CHAKRA AWARD 2019 INSTITUTED BY ICONGO AND UN AT IIT-DELHI.
3. INDIA STAR YOUTH ICON AWARD 2019 INSTITUTED BY INDIA STAR AWARDS, INSTITUTED BY INDIA STAR BOOK OF RECORDS.
4. RECEIVED NATIONAL YOUTH ICON AWARD 2019 INSTITUTED BY IYC (INTERNATIONAL YOUTH COMMITTEE) IN WORLD YOUTH SUMMIT AT NEW DELHI.
5. RECEIVED RASHTRIYA GAURAV SAMMAN 2019 INITIATED BY INTERNATIONAL YOUTH SOCIETY & NATIONAL YOUTH AWARDEES FEDERATION OF INDIA AT ANDHRABHAVAN.
6. RECEIVED NATIONAL BUSINESS ACHIEVER 2019 INSTITUTED BY INITIATED BY INTERNATIONAL YOUTH SOCIETY & NATIONAL YOUTH AWARDEES FEDERATION OF INDIA AT ANDHRABHAVAN.
7. RECEIVED EXTRAORDINARY TALENT AWARD 2019 INSTITUTED BY GANIUSES WORLDRECORDS.
8. RECEIVED STEERING COMMITTEE PERSON AWARD IN UNITED CON 2020 ON CYBER SPACE.

THANK YOU!



TRAINING

ETHICAL HACKING

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