C|EH
CERTIFIED ETHICAL HACKER

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CAREER SUMMARY

I am currently a PhD candidate with a strong research background, having authored over 25 research papers and obtained 2 patents under my name. With a passion for technology, particularly in the areas of Cyber Security, Artificial Intelligence, and data structures, I have gained extensive knowledge and experience through 15 years of research and project work. I have recently completed my PhD thesis submission and am enthusiastically seeking opportunities to apply my expertise in the corporate sector.

TECHNICAL PROFICIENCIES
- Kali Linux
- Network IDS and packet
- Wireless Penetration Testing - WPA
- Burp Suite , OWASP-ZAP, N-map, Wireshark, SQL-map.
- Nessus, Qualys, OSINT, phishing analysis, Jira, Threat Intelligence, cloud security and penetration testing (Azure)

PATENTS:
Title of Invention-Intelligent Surveillance System For Identifying Social Distancing And Face Mask in Public Places
Number - Date - Filed with
- 202121010006 - Published 10/03/2021 - IN (Australia)
- 202121010006 - Published 06/08/2021 - (Indian)

https://patentscope.wipo.int/search/en/detail.jsf?docId=IN334775541&_cid=P10-L2UKNU-27088-1

CERTIFICATIONS:
- CEH: EC-council 2022 number **ECC0631478952**
- ISO/IEC 27001 INFORMATION SECURITY ASSOCIATE™
- The Beginners Guide to Practical Cyber Hacking Skills codered Ec-council.
- Introduction to Cyber Security, TryHackMe

EDUCATION:
- PhD -CS, Submitted thesis in SVU, expected completion year January/February, 2023
- ME-IT from SPPU, 7.02 CGPA, 2012
- BE-Computer SPPU, 61%, 2005
- Diploma in Computer Engineering MH-BTE, 70%, 2000

EXPERIENCE:
Sr Cyber Security Expert at Xperate   *2023 - current*

Key Responsibilities:

- Worked on burp suite and other security softwares
- Perform application web penetration testing for all client projects, develope testing report for - web security planning, cloud security, IOT device security
- Client communication and team building along with setting up a optimised process
- Communicating technical vulnerabilities and remediation steps to clients, developers and management

- **I have diligently conducted weekly cyber security training sessions for my colleagues, aimed at enhancing their awareness and prevention skills in safeguarding against cyber threats.**

Project Handled:
- Brickworks - Event management project

Experience:
- SOC2 and ISO report preparation and management
- Vulnerability assessment and penetration testing
- Training to interns and staff members.
- Explaining and maintaining ISO records

Consultant Cyber Security Engineer at *LYFTEK*   *2019-2023*

Worked with LYFTEK, part-time, to get some hands on experience in cyber security, web application testing
Key Responsibilities:
- Worked on Burp suite, kali Linux, Nessus and N-map
- Perform application penetration testing, web testing and application testing for all client projects, develop testing report and security planning (40+)
- Client communication and team handling

Projects Handled:
ERP, Website, Bank application and Applications security testing:
- Worked as a Penetration Tester - Consultant on many projects for the last 4 years, 40+
- I have handled many technical teams, national and international industry partners.

Experience:
- Conduct Vulnerability Assessments of websites, and applications using various open source and commercial tools

Assistant Professor at *MIT WPU*   *2007 -2023*

Key Responsibilities:
- Actively coordinated and headed the admissions team, handled a team of 40+ facilities for entrance exam conduction and other admissions related work.
- Taught many subjects such as Cyber Security, Data Structure, AI, object-oriented modelling and design etc. Successfully guided **30+** research projects.

Projects Handled:
XYZ (*Aug 2021- March 2022*)

This project was with some group of coders which was related to HR management, it was a chat bot. I had the responsibility of checked the cyber security and make it cyber safe after providing certain important mitigations.

NUTRIcount, Pune (*February 2020 to present*)

This project is a hardware device which checks the quality of the food as nutrition and vitamins. It is a research project. Application security was easy but the device and IOT device security was a challenge which I tried to solve.

NOVATE Hackathon (*June 2021 to December 2021*)

- The proposed solution aims to detect social distancing in a particular area. The process starts with video footage captured by the camera or the CCTV facing the area. This video is then passed to the pre-processing unit where the video is divided into frames.
- This project was related to human-to-human distance in the covid times, we won the competition and also patented the work. I was working on a similar model before the covid times so I and some of my students participated and learned different things: business model preparation, pitching an idea, budgeting a hardware project and algorithm preparation. I also learned how an idea is patented.

Skill set acquired through academic course modules:
- Courses: Cyber Security, Software Engineering, Object-Oriented Programming, Artificial Intelligence, Penetration Testing, Data Structures
- Laboratories: C, C++, Python, JAVA, Data Structures.

VB Developer at *SEPL*   *2004-2006*

Key Responsibilities: We developed an E-Learning project in which I was responsible for automating engineering problems with the help of a SME and graphic designers. We developed learning material, quiz, tests etc. needed for learning different engineering subjects.

Paper name (out of 25, top five and their link)	Link
An AI Federated System for Anomalies Detection in Videos using Convolution Neural Network Mechanism	https://ijisae.org/index.php/IJISAE/article/view/2496
A Cross Platform Mobile Expert System for Agriculture Task Scheduling	https://ieeexplore.ieee.org/abstract/document/7813831
A Novel Hybrid AI Federated ML/DL Models for Classification of Soil Components	https://www.scopus.com/authid/detail.uri?authorId=57188857298
A Survey Paper on Malware Detection methods	https://efflatounia.com/index.php/journal/article/view/419
A Survey and Analysis of Crowd Anomaly Detection Techniques	https://ieeexplore.ieee.org/document/9388400