

# SATYA SAI KARTHEEK REDDY NALLAMILLI

AI & Cybersecurity Professional

Inverness, UK | [LinkedIn](#) | [GitHub](#) | [www.kartheekreddy.com](http://www.kartheekreddy.com) | +4407554809914

## PROFESSIONAL SUMMARY

Results-driven Cybersecurity Professional with an MSc in Advanced Cyber Security (Distinction) and expertise in penetration testing, network security, and secure system design. Proven track record of delivering IT support and cybersecurity solutions to businesses across the Highlands region. Skilled in digital forensics, encryption techniques, and implementing ISO 27001 & GDPR compliance measures. Currently ranked in the top 1% globally on TryHackMe, demonstrating exceptional practical skills in ethical hacking and threat analysis. Seeking to leverage technical expertise and analytical skills in a challenging Cyber Security Analyst, Security Engineer, Penetration Testing or IT Support role.

## CORE COMPETENCIES

- |   |                                     |                                |
|---|-------------------------------------|--------------------------------|
| • Penetration Testing & Ethical Hacking | • Network Security & Infrastructure | • Tier 1 & 2 Technical Support |
| • Digital Forensics & Incident Response | • Encryption & Cryptography         | • Network Troubleshooting      |
| • SIEM & Security Operations            | • ISO 27001 & GDPR Compliance       | • OS Administration            |
| • Cloud Security (AWS, Azure)           | • Risk Assessment & Vulnerability   | • System Troubleshooting       |
| • Python Scripting & Automation         | • IT Support & Troubleshooting      | • Ticketing System             |

## EDUCATION

### Master of Science (MSc) in Advanced Cyber Security | Distinction

Cardiff Metropolitan University, Cardiff, United Kingdom

Sept 2024 - Sept 2025

- Achieved Distinction grade, demonstrating excellence in advanced cybersecurity concepts
- Specialized in cryptography, digital forensics, network security, ethical hacking, and human-centered cybersecurity
- Published research: "A New Hybrid Approach for Image Security using Steganography and Encryption" in the International Journal of Scientific Research (May 2024)
- Key Skills Acquired: Linux Administration, Secure Communications, Network Defense, Malware Analysis

### Bachelor of Technology (B.Tech) in Computer Science | 72%

Lovely Professional University, Punjab, India

Sept 2020 - May 2024

- Strong foundation in computer science fundamentals, applied probability, data structures, and algorithms
- Developed proficiency in multiple programming languages including Python, C, C++, and Java
- Completed coursework in software engineering, database management, and cloud computing

## PROFESSIONAL EXPERIENCE

### IT and Web Consultant | Freelance

Multiple Companies, Inverness, Scotland, United Kingdom (Hybrid)

Oct 2024 - Present

- Provide comprehensive freelance IT support and maintenance services to 15+ small businesses and private clients across the Highlands region, ensuring 99% uptime and client satisfaction
- Diagnose and resolve complex software, hardware, and network issues with average resolution time of <2 hours, minimizing business downtime and operational disruptions
- Support dental practices with daily IT operations, implementing GDPR-compliant data protection measures and cybersecurity protocols to safeguard patient information
- Configure and optimize Microsoft SQL Server environments for improved database performance and security
- Upgraded local network infrastructure to Wi-Fi 7, improving network speed by 40% and enhancing security with WPA3 encryption
- Conduct vulnerability assessments and implement security hardening measures for client systems
- Provide training and documentation to clients on cybersecurity best practices and IT system maintenance

### Customer Service Assistant | Part-Time

Vue Cinemas, Inverness, Scotland, United Kingdom (On-site)

Aug 2025 - Present

- Deliver exceptional customer service by assisting 200+ guests daily with ticket purchases, seating arrangements, and general inquiries
- Maintain high standards of cleanliness and organization throughout cinema facilities to ensure welcoming atmosphere

## Software Tester | Freelance

Candywriter, LLC (Remote)

January 2023 - February 2023

- Conducted comprehensive functional and usability testing for mobile games, identifying 50+ bugs and performance issues
- Documented software defects with clarity and precision using industry-standard bug tracking tools, improving development team efficiency by 25%
- Collaborated closely with developers to verify bug fixes and maintain overall software quality standards
- Applied analytical and problem-solving skills to identify edge cases and improve gameplay stability
- Demonstrated strong attention to detail and systematic testing methodologies

## PROFESSIONAL CERTIFICATIONS

- ISC2 Certified in Cyber Security (CC) Issued: November 2025  
Credential ID: 1195591 | Expires: November 2028
- TryHackMe Cyber Security 101 Certificate Issued: November 2025  
Credential ID: THM-TANWUWTWBD | Expires: November 2028
- Immersive Labs Cybersecurity Training Completed: April 2025

## TECHNICAL SKILLS

Security Tools & Technologies: Kali Linux, Metasploit, Burp Suite, Wireshark, Nmap, John the Ripper, Ghidra, IDA Pro, SIEM (Wazuh), Snort

Programming & Scripting: Python, C, C++, Java, JavaScript, Bash Scripting, PowerShell

Web Technologies: HTML5, CSS3, Tailwind CSS, JavaScript, Web Security, API Security

Operating Systems: Windows Server, Linux (Ubuntu, Kali, CentOS), macOS

Cloud & Infrastructure: AWS, Azure, Cloud Security, Microsoft SQL Server, Network Infrastructure, Wi-Fi 7

Collaboration & Productivity: Google Workspace, Microsoft 365, Slack, Git/GitHub, Jira

## KEY PROJECTS

### Hashkitten - All-in-One Crypto Utility Toolkit

GitHub: KartheekReddy100/Hashkitten

- Developed versatile, client-side web application for cryptographic operations using HTML5, Tailwind CSS, and JavaScript
- Implemented multi-file hashing, checksum verification, HMAC generation, and password strength analyzer
- Utilized Web Workers for background processing to maintain performance with large files

### Is My File Safe? - Threat Detection System

GitHub: KartheekReddy100/Is-My-File-Safe

- Designed Python-based file security assessment tool using threat signature database
- Provides real-time insights into file security by comparing against known malicious signatures
- Enables efficient identification of potentially malicious files with user-friendly interface

## KEY ACHIEVEMENTS & RECOGNITIONS

- TryHackMe Global Ranking: Top 1% (Position ~18,530 and rising)  
Demonstrates exceptional practical skills in ethical hacking, penetration testing, and real-world threat analysis
- Published Research Paper (May 2024)  
"A New Hybrid Approach for Image Security using Steganography and Encryption"  
International Journal of Scientific Research in Computer Science Engineering and Information Technology
- MSc Distinction Award - Cardiff Metropolitan University  
Achieved top academic grade in Advanced Cyber Security program, demonstrating mastery of advanced concepts
- Active Cybersecurity Content Creator  
Regularly share technical insights, password security research, and cybersecurity tools on LinkedIn (700+ followers)

## VOLUNTEERING EXPERIENCE

### Game Designer and Curriculum Planner

Team Everest NGO

September 2022 - December 2022

Focus: Children (Ages 9-12)

- Created engaging story structures and educational content for children aged 9-12 years
- Designed simple and complex puzzles to develop critical thinking and problem-solving skills
- Developed enjoyable games using Unity and C# to enhance learning experience
- Demonstrated curriculum planning, team collaboration, and creative game design skills