

Project Report

Title of Project:

Cyber security

Name of the Innovator:

Vinayak

Start Date:

18/02/2026

End Date:

18/02/2026

Day 1: Empathise & Define**Step 1: Understanding the Need****Which problem am I trying to solve?**

Businesses and individuals are facing increasing cyber threats like hacking, data breaches, ransomware, and phishing attacks. Many small and medium businesses lack proper security systems and awareness, making them vulnerable to financial loss and data theft. This website aims to provide professional cyber security solutions, educate users about digital risks, and offer reliable protection services to keep their systems, networks, and sensitive data secure.

Who is affected by this problem?

Small and medium businesses, startups, large enterprises, and even individual users are affected by cyber threats. Industries like banking, healthcare, e-commerce, IT companies, and government organizations are especially vulnerable because they handle sensitive data. Without proper cyber security, these groups risk financial loss, data breaches, reputation damage, and operational disruption.

How did I find out about this?

Step 2: Problem Statement

With the rapid growth of digital technology, cyber threats such as hacking, phishing, ransomware, and data breaches are increasing every day. Many businesses and individuals do not have strong security systems in place, making them vulnerable to financial loss, data theft, and reputation damage.

There is a critical need for reliable, affordable, and advanced cyber security solutions that can detect, prevent, and respond to cyber attacks effectively.

Why is this problem important to solve?

Cyber security is important because businesses and individuals rely heavily on digital systems to store sensitive information such as financial data, personal details, and confidential company records.

Without proper protection, cyber attacks can lead to financial losses, data breaches, legal issues, and damage to reputation. Strong cyber security ensures data safety, business continuity, customer trust, and protection against evolving digital threats.

Take-home task insights:

Cyber threats are increasing rapidly and affect businesses of all sizes.

Data protection is no longer optional — it is essential.

Proactive security measures are more effective than reacting after an attack.

Investing in cyber security builds customer trust and protects brand reputation.

Continuous monitoring and regular security audits are key to staying protected.

Day 2: Ideate

Step 3: List at least 5 different solutions:

1. AI-powered real-time threat detection and monitoring system for businesses.
2. Affordable cyber security packages specially designed for small and medium businesses.
3. Regular security audits and penetration testing services.
4. Employee cyber awareness training and phishing simulation programs.
5. 24/7 incident response and data recovery support system.

Step 4: My favourite solution:

Affordable AI-powered cyber security platform that provides real-time threat monitoring, security audits, and fast incident response for small and medium businesses.

Step 5: Why am I choosing this solution?

This solution focuses on small and medium businesses that often lack strong security systems. By combining AI-based monitoring with affordable pricing, it helps prevent cyber attacks before they cause serious financial or reputational damage. It is scalable, practical, and builds long-term customer trust.

Day 3: Prototype & Test

Step 6: What will my solution look like?

The prototype will be a responsive cyber security service website that showcases services, pricing plans, and a free security audit request form. It will include a dashboard demo section showing how real-time threat monitoring works. The prototype will allow users to explore services, submit inquiries, and schedule a consultation.

What AI tools will I need?

Website builder (Lovable)
AI content generator
Basic AI-based threat detection demo simulation
Chatbot for customer support
Analytics tool for tracking user interaction

Selected AI tools:

1. Lovable (Website Builder)
2. AI Content Generator
3. AI Chatbot Integration
4. Basic Threat Monitoring Demo Tool
5. Google Analytics

Step 7: Test - Getting Feedback

Who did I share my solution with?

The prototype was tested by small business owners, IT students, and a few working professionals to check usability, design clarity, and service understanding.

What works well:

Clean and professional dark theme design
Clear explanation of services
Easy navigation and smooth layout
Contact form and CTA buttons are simple to use
Strong branding and trust-building content

What needs improvement:

Add more real-life case studies for credibility
Improve loading speed optimization
Add live demo or interactive dashboard preview
Strengthen chatbot responses with more FAQs
Include detailed pricing comparison section

Day 4: Showcase

Step 8: Final Project Title:

Cyber security

1-Minute Pitch Summary:

Today, cyber attacks are increasing rapidly, and small to medium businesses are the most vulnerable because they lack strong security systems. Data breaches, ransomware, and phishing attacks can cause serious financial loss and damage to reputation. Our solution, CyberFort Security, is an affordable AI-powered cyber security platform that provides real-time threat monitoring, security audits, and fast incident response. We focus on proactive protection — stopping attacks before they cause harm. Through our professional website, businesses can easily explore our services, request a free security audit, and get expert support. Our goal is simple: to make advanced cyber security accessible, affordable, and reliable for every growing business.

Step 9: Reflections

What did I enjoy the most?

I enjoyed turning a real-world problem like cyber threats into a practical and innovative solution. Designing the website concept, creating the brand identity, and planning the services helped me think creatively and strategically. I also enjoyed learning how AI tools can be used to build and present a professional cyber security platform. This project improved my problem-solving skills and gave me confidence in building tech-based solutions.

What was my biggest challenge?

The biggest challenge was clearly defining the problem and designing a solution that is both practical and affordable for small and medium businesses. It was important to balance strong security features with simplicity so that users can easily understand the services. Another challenge was organizing all the ideas into a clear website structure while keeping the design professional and user-friendly.

Project Link:

<https://cyberfort-digital-shield.lovable.app/>