

COMPUTER SCIENCE AND BUSINESS SYSTEMS

INNOVISION 2025

HACK-SPHERE



INTERNSHIP OPPORTUNITIES

PRIZES WORTH

₹75,000

Team Details

Team name: IgnitedMinds

Team leader name: Prasad Kute

Domain: Security

Problem Statement: Real-Time Cyber Threat Detection and

Alert System



FIRMWAY HELDER Soft Solutions





Proposed Solution:

Developing a cybersecurity solution that helps individuals or small organizations protect against common online threats, such as phishing, malware, or identity theft. The tool will provide real-time analysis or alerts while educating users on staying safe online.

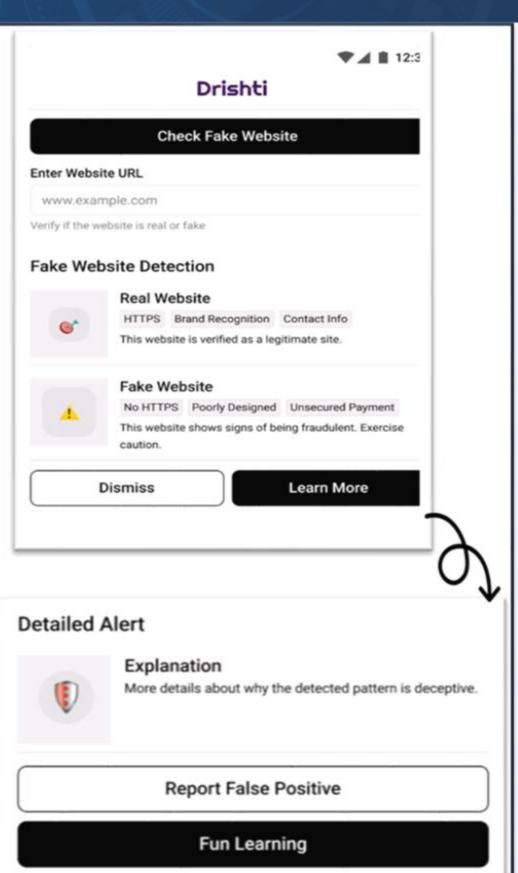
Key Features:

Browser Extension: Analyze websites in real-time to detect phishing, malware, and spam.

User Education: Interactive educational games and quizzes to empower users with cybersecurity awareness.

Al Integration: Use advanced ML algorithms and APIs like VirusTotal for enhanced threat detection.

User Feedback: Enable users to provide feedback to improve threat detection accuracy.



e2668698-12ba-4bb2-9a5c-c00e6bca0a81





FIRMWAY Automating Confirmation & Reconciliation FIRMWAY Automating Confirmation & Reconciliation





Powered by:

TECHNICAL APPROACH

TECHNICAL INFORMATION

Technical Approach:

- Frontend: A lightweight browser extension for real-time interaction.
- Backend: Secure data processing with transformers and ML models.
- Threat Detection: Integration with VirusTotal API for malware analysis.
- Educational Tools: Quizzes, alerts, and reports to increase user awareness.

Technology Stack:

- **Frontend:** React for the extension UI.
- Backend: Node.js for threat analysis and processing.
- **Database:** MongoDB for storing user data and feedback.
- **APIs:** VirusTotal for malware detection.

TECHOLOGY STACK











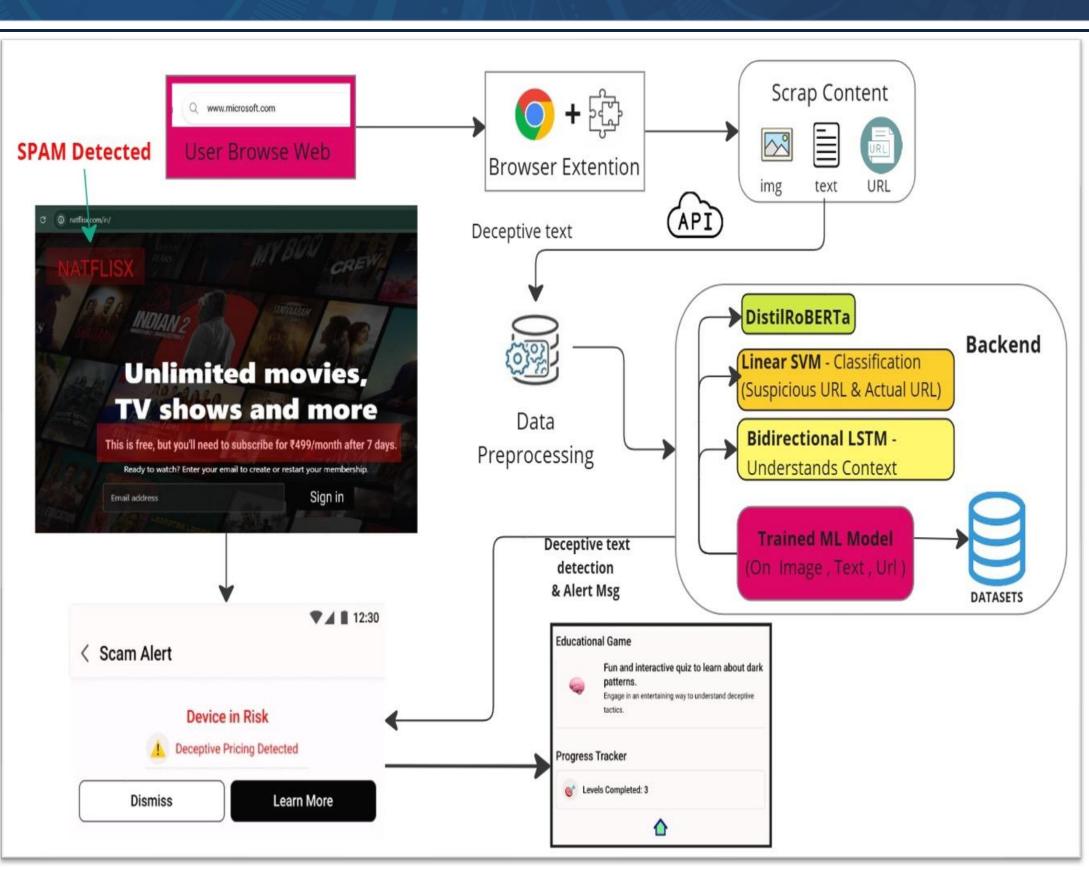
















FIRMWAY HELDELSPHERE Soft Solutions





Powered by:

FEASIBILITY AND VIABILITY

Feasibility and Viability:

Technical Feasibility:

- Technology Availability: APIs like VirusTotal, transformers, and cloud platforms support implementation.
- **Security Measures:** AES-256 encryption ensures data security and compliance with privacy standards.
- Scalability: Cloud-native architecture allows scaling to accommodate user growth.

Operational Feasibility:

- Team Expertise: Developers, ML engineers, and cybersecurity experts onboard for seamless execution.
- Reliability: Cloud infrastructure and redundant systems ensure high availability and minimal downtime.

Market Feasibility:

- **Demand:** Rising cybercrime awareness creates a significant market for user-friendly cybersecurity tools.
- Revenue Model: Freemium model with premium features like advanced analytics, priority support, and custom configurations.
- User Adoption: Education-first approach improves user adoption and long-term engagement.

Unique Value Proposition (UVP) for BioVault

- 1. Real-Time Alerts: Immediate notifications for unsafe websites and potential online threats.
- 2. User Empowerment and Trust Building: Combines education with cybersecurity tools to build awareness and confidence in safe browsing practices.
- 3. Seamless Integration: Compatible with all major browsers, providing a uniform user experience.
- 4. Multi-Feature Capability: Combines phishing detection, educational resources, and deceptive practice identification in one tool.
- 5. Al-Driven Accuracy: Advanced algorithms ensure high precision in threat detection, reducing false positives and negatives.
- 6. Customizable Interface: Users can configure alerts and access levels based on their comfort and technical expertise.
- 7. Global Accessibility: Designed for users worldwide, addressing common cyber threats across regions.

Challenges:

- Educating non-technical users about using the tool effectively.
- Overcoming resistance to adopt a new browser extension.

Strategies:

- Conduct webinars and provide tutorials on safe online practices.
- Offer a simplified onboarding process and excellent customer support.



FIRMWAY Automating Confirmation & Reconciliation HICK-SPHERE GSoft Solutions





Powered by:

Team Details

Name	Email	Phone Number
Prasad Rajaram Kute	Prasad.22210330@viit.ac.in	7558750366
Arya Jalindar Kadam	arya.22210766@viit.ac.in	8779831758
Chinmay Ashok Kale	chinmay.22210926@viit.ac.in	9021658271
Tejaswini Jaywant Durge	tejaswini.22210270@viit.ac.in	8446528408