

# Threat Intelligence Dashboard - Project Report

## 1. Introduction

This project is a **Single Page Web Application (SPA)** designed to visualize and analyze cybersecurity threat data using an interactive and responsive dashboard. It helps users monitor threat trends, categorize cyberattacks, and inspect individual threat details through a sleek frontend and a powerful backend API.

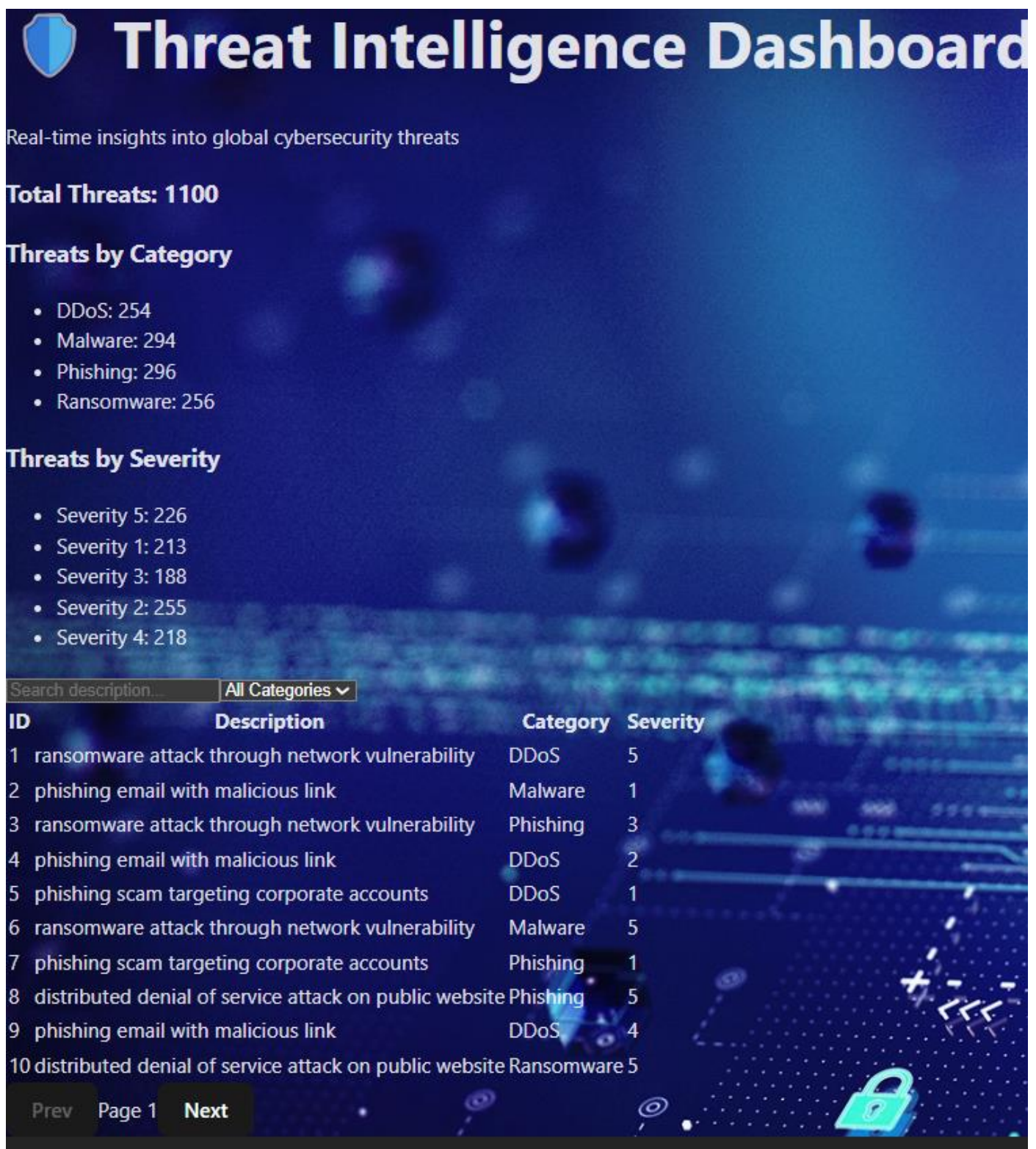
## 2. Objective

- Visualize cybersecurity threats using an intuitive dashboard.
- categorized and severity-based threat statistics.
- Enable search, filter, and pagination functionality for browsing threats.
- Present a detailed view of each individual threat.
- Build a full-stack application using modern tools (React, Node.js, Sequelize).

## 3. Technologies Used

- **Frontend:** React.js, Tailwind CSS, React Router DOM, Lucide Icons
- **Backend:** Node.js, Express.js, Sequelize ORM
- **Database:** SQLite (default), MySQL (optional)
- **Tools:** Vite, Postman, Git

## 4. Features



## a. Dashboard View

- Total threats
- Threats by Category (Phishing, DDoS, etc.)
- Threats by Severity (1 to 5)



## b. Threat Table

- Paginated and searchable table

Search description...		Phishing	
ID	Description	Category	Severity
216	phishing email with malicious link	Phishing	2
218	distributed denial of service attack on public website	Phishing	2
227	phishing scam targeting corporate accounts	Phishing	2
229	distributed denial of service attack on public website	Phishing	4
230	malware detected in email attachment	Phishing	2
244	phishing scam targeting corporate accounts	Phishing	1
247	distributed denial of service attack on public website	Phishing	1
248	ransomware attack through network vulnerability	Phishing	2
249	malware detected in email attachment	Phishing	1
252	phishing scam targeting corporate accounts	Phishing	4
Prev Page 6 Next			

All Categories			
ID	Description	Category	Severity
8	distributed denial of service attack on public website	Phishing	5
10	distributed denial of service attack on public website	Ransomware	5
21	distributed denial of service attack on public website	Ransomware	2
32	distributed denial of service attack on public website	Phishing	5
33	distributed denial of service attack on public website	Malware	1
42	distributed denial of service attack on public website	DDoS	5
46	distributed denial of service attack on public website	Malware	1
51	distributed denial of service attack on public website	DDoS	5
55	distributed denial of service attack on public website	DDoS	3
61	distributed denial of service attack on public website	DDoS	4
Prev Page 1 Next			



- Filter by category

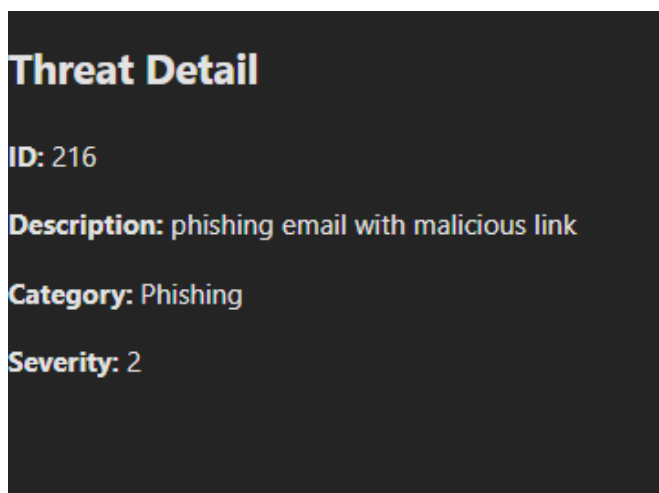


Search description... **Phishing** ▼

ID	Description	Category	Severity
3	ransomware attack through network vulnerability	Phishing	3
7	phishing scam targeting corporate accounts	Phishing	1
8	distributed denial of service attack on public website	Phishing	5
16	phishing email with malicious link	Phishing	2
22	malware detected in email attachment	Phishing	4
31	malware detected in email attachment	Phishing	1
32	distributed denial of service attack on public website	Phishing	5
36	malware detected in email attachment	Phishing	1
38	phishing scam targeting corporate accounts	Phishing	1
39	phishing scam targeting corporate accounts	Phishing	3

Prev Page 1 Next

- Clickable rows for details



**Threat Detail**

**ID:** 216

**Description:** phishing email with malicious link

**Category:** Phishing

**Severity:** 2

### c. Threat Detail Page

- Detailed view showing ID, description, category, and severity

## 5. API Endpoints

Method	Endpoint	Description
GET	/api/threats	Paginated, filtered, searchable list of threats
GET	/api/threats/:id	Get details of a threat by ID
GET	/api/threats/stats	Summary stats by category/severity