# Weekly Project Diary Capstone Phase 1

Project Title: Developing a Tool for Real-Time Cyber Incident Feeds for Indian Cyber Space

Submitted by: Sohan Kumar Potti, Gajula Amulya, Bevara Praveen

Supervisor: Ravneet Kaur

## Week 1

### Synopsis:

This week focused on developing and refining elements of the project titled 'Developing a Tool for Real-Time Cyber Incident Feeds for Indian Cyber Space'. The team engaged in structured activities to meet weekly objectives.

### Research Paper Work:

Continued research on existing cybersecurity incident monitoring tools and academic studies. Compiled insights into data collection, threat categorization, and real-time analytics.

### Literature Review:

Reviewed scholarly articles and technical blogs on data scraping, use of VirusTotal API, and machine learning applications in cybersecurity.

### Code Work:

Implemented and tested Python scripts using libraries such as Selenium, BeautifulSoup, and integrated VirusTotal API for threat analysis. Ongoing debugging and optimization.

### PPT Work:

Updated the PowerPoint presentation to reflect weekly progress, including system design, methodology, and preliminary results.

### Conclusion:

Progressed steadily on all fronts. Identified areas for improvement and planned objectives for the upcoming week.

## Week 2

### Synopsis:

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### Literature Review:

Reviewed scholarly articles and technical blogs on data scraping, use of VirusTotal API, and machine learning applications in cybersecurity.

### Code Work:

Implemented and tested Python scripts using libraries such as Selenium, BeautifulSoup, and integrated VirusTotal API for threat analysis. Ongoing debugging and optimization.

### PPT Work:

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## Week 6

### Synopsis:

This week focused on developing and refining elements of the project titled 'Developing a Tool for Real-Time Cyber Incident Feeds for Indian Cyber Space'. The team engaged in structured activities to meet weekly objectives.

### Research Paper Work:

Continued research on existing cybersecurity incident monitoring tools and academic studies. Compiled insights into data collection, threat categorization, and real-time analytics.

### Literature Review:

Reviewed scholarly articles and technical blogs on data scraping, use of VirusTotal API, and machine learning applications in cybersecurity.

### Code Work:

Implemented and tested Python scripts using libraries such as Selenium, BeautifulSoup, and integrated VirusTotal API for threat analysis. Ongoing debugging and optimization.

### PPT Work:

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## Week 7

### Synopsis:

This week focused on developing and refining elements of the project titled 'Developing a Tool for Real-Time Cyber Incident Feeds for Indian Cyber Space'. The team engaged in structured activities to meet weekly objectives.

### Research Paper Work:

Continued research on existing cybersecurity incident monitoring tools and academic studies. Compiled insights into data collection, threat categorization, and real-time analytics.

### Literature Review:

Reviewed scholarly articles and technical blogs on data scraping, use of VirusTotal API, and machine learning applications in cybersecurity.

### Code Work:

Implemented and tested Python scripts using libraries such as Selenium, BeautifulSoup, and integrated VirusTotal API for threat analysis. Ongoing debugging and optimization.

### PPT Work:

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## Week 8

### Synopsis:

This week focused on developing and refining elements of the project titled 'Developing a Tool for Real-Time Cyber Incident Feeds for Indian Cyber Space'. The team engaged in structured activities to meet weekly objectives.

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Continued research on existing cybersecurity incident monitoring tools and academic studies. Compiled insights into data collection, threat categorization, and real-time analytics.

### Literature Review:

Reviewed scholarly articles and technical blogs on data scraping, use of VirusTotal API, and machine learning applications in cybersecurity.

### Code Work:

Implemented and tested Python scripts using libraries such as Selenium, BeautifulSoup, and integrated VirusTotal API for threat analysis. Ongoing debugging and optimization.

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## Week 9

### Synopsis:

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### Literature Review:

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### Code Work:

Implemented and tested Python scripts using libraries such as Selenium, BeautifulSoup, and integrated VirusTotal API for threat analysis. Ongoing debugging and optimization.

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## Week 10

### Synopsis:

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Continued research on existing cybersecurity incident monitoring tools and academic studies. Compiled insights into data collection, threat categorization, and real-time analytics.

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