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**A PROJECT REPORT
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PROJECT TITLE

Bachelor of Technology
in
School of Computing

By
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SCHOOL OF COMPUTING

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY UNA
HIMACHAL PRADESH**

DECEMBER 2023

BONAFIDE CERTIFICATE

This is to certify that the project titled *osint tool* is a bonafide record of the work done by

HARSHIT MISHRA (22323)

in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in **BRANCH NAME** of the **INDIAN INSTITUTE OF INFORMATION TECHNOLOGY UNA, HIMACHAL PRADESH**, during the year **20XX - 20XX**.

under the guidance of

Dr. NISTHA HOODA

Project viva-voce held on: _____

Internal Examiner

External Examiner

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HARSHIT MISHRA (22323)

ABSTRACT

The OSINT Tool Website Project aims to provide a comprehensive suite of investigative tools for open-source intelligence gathering, focusing on phone, email, image, and social media OSINT. The platform integrates various functionalities to enhance user capabilities in gathering information discreetly and efficiently.

Phone OSINT constitutes a significant component, enabling users to validate phone numbers, identify their location, determine the carrier, and ascertain the associated country. Furthermore, the tool incorporates a database of leaked numbers, allowing users to assess if a given number has been compromised based on the platform's extensive repository. This feature aids in discerning potential security risks associated with a particular phone number. Additionally, if a number is present in the database, the tool provides associated names, offering valuable context for investigative purposes.

The Email OSINT tool within the platform focuses on email verification, assessing the validity of provided email addresses. Users can also determine whether an email address is disposable, providing insights into the temporary or non-permanent nature of the email. Additionally, the tool investigates the domain of the email, shedding light on its origin and legitimacy. For enhanced investigative capabilities, the platform also includes an email forwarding detection mechanism, allowing users to understand if the email is being rerouted, potentially indicating covert activities.

The Image Reverse Search Tool is a crucial feature designed to analyse and identify the origin of images. Users can upload or input an image URL, and the tool performs a reverse search across the internet, locating instances of the same or similar images. This capability proves invaluable for verifying the authenticity of images, identifying potential sources of misinformation, and unveiling hidden connections.

Social Media OSINT forms an integral part of the platform, providing users with the ability to gather intelligence from various social media platforms. Users can input usernames to retrieve comprehensive information, including public posts, connections, and other relevant details. This feature assists investigators in building a comprehensive profile of individuals, enhancing the depth and accuracy of their intelligence gathering efforts.

The overarching goal of the OSINT Tool Website Project is to empower users with a multifaceted toolkit, ensuring equal importance is placed on each OSINT category. By seamlessly integrating phone, email, image, and social media OSINT functionalities, the platform provides a holistic solution for investigators, researchers, and security professionals. The user-friendly interface, coupled with robust database integration, positions this platform as a valuable resource for those seeking accurate and actionable intelligence in a variety of contexts.

Keywords: OSint

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We would like to express our sincere gratitude and heartfelt thanks to Dr. Nishta Hooda for their unflinching support and guidance, valuable suggestions and expert advice. Their words of wisdom and expertise in subject matter were of immense help throughout the duration of this project.

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LIST OF ACRONYMS

OSint	Open source intelligence
GUI	Graphical user interface

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Chapter 1

Introduction

1.0 Introduction: Exploring the Digital Realm

In the era of advanced technology, the need for robust tools to navigate the intricacies of the digital realm has never been more pronounced. This introduction marks the beginning of a journey into the vast landscape of Open-Source Intelligence (OSINT), where we delve into innovative solutions designed to empower individuals, investigators, and organizations. The digital age has presented us with an abundance of data, and unlocking its potential requires a comprehensive suite of tools. Our OSINT project is committed to providing such tools, transforming the way you approach online investigations.



Figure 1: Home page of the website

1.1 Phone OSINT: Unravelling the Secrets Behind Numbers

Get phone number details

9671378475

Valid	true
Country	India (Republic of)
Location	Haryana
Carrier	Vodafone Idea Ltd (formerly Vodafone India Ltd)
Line-type	mobile
Is leaked	true
Name if leaked	NAKIN

Figure 2:Output of phone Osint tool

1.1.1 Validity Check -

In the dynamic realm of digital investigations, one cornerstone is the authenticity of phone numbers. Our Phone OSINT tool leads the way, utilizing advanced algorithms to validate phone numbers thoroughly. This process is essential in establishing a foundation of trust, ensuring that the data under scrutiny is reliable and accurate.

1.1.2 Location Tracking -

Beyond mere validation, our Phone OSINT tool offers a sophisticated location tracking feature. Curiosity about the geographic origin of a phone number is addressed through intricate details about the associated location. This additional layer of information provides valuable geographical context, enhancing the depth of your investigative capabilities.

1.1.3 Carrier Identification -

Communication patterns often hold the key to understanding digital interactions. Our tool not only validates phone numbers but also identifies the carrier information. This insight into the communication infrastructure allows investigators to gain a holistic understanding of the digital landscape, unravelling intricate connections.

1.1.4 Country Insight -

In a world that is increasingly interconnected, knowing the country of origin is fundamental. Our Phone OSINT tool effortlessly identifies the country associated with a phone number, adding an international dimension to investigations. This global awareness is critical in today's diverse and interconnected digital environment.

1.1.5 Leaked Numbers Database -

To fortify your investigative efforts, our tool integrates a comprehensive database of leaked numbers. This feature serves as an additional layer of defence, promptly notifying you if a number matches an entry in our database. This proactive approach enables you to gauge potential risks or compromises associated with a specific number, ensuring a thorough investigation.

1.2 Email OSINT: Navigating the Digital Correspondence Landscape

1.2.1 Validity Verification -

Email communication is a cornerstone of digital correspondence. Our Email OSINT tool excels in verifying the authenticity of email addresses, ensuring the security and reliability of communication channels. This verification process is crucial in maintaining the integrity of digital interactions.

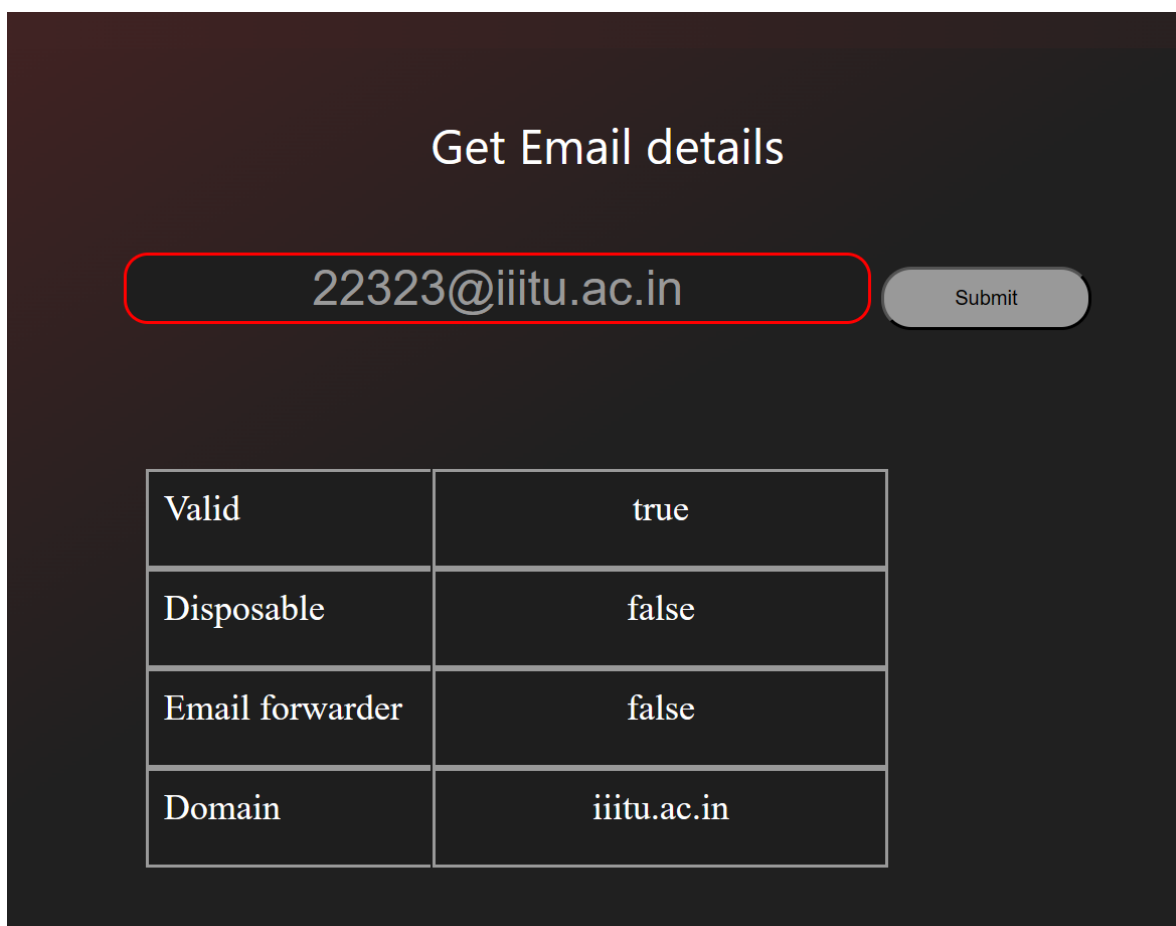
1.2.2 Disposable Email Identification -

In the vast digital landscape, our tool goes beyond basic validation. It includes a feature dedicated to detecting disposable emails, allowing users to uncover the nature of an email

address. Recognizing and avoiding potentially unreliable communication channels is essential in maintaining the integrity of your interactions.

1.2.3 Domain Analysis -

A deeper dive into the digital footprint involves scrutinizing the domain of an email address. Our tool provides insights into the origin and legitimacy of the domain, offering a holistic perspective on the email's credibility. This multifaceted analysis contributes to a more comprehensive understanding of digital identities.



Get Email details	
22323@iiitu.ac.in	
Submit	
Valid	true
Disposable	false
Email forwarder	false
Domain	iiitu.ac.in

Figure 3: Output of email OSint

1.2.4 Email Forwarding Detection -

Understanding whether an email address forwards messages is crucial in evaluating its trustworthiness. Our Email OSINT tool includes a feature specifically designed to detect

email forwarding setups. This capability empowers investigators to make informed decisions about the reliability of the provided email address.

1.3 Image Reverse Search: Peeling Back the Visual Layers

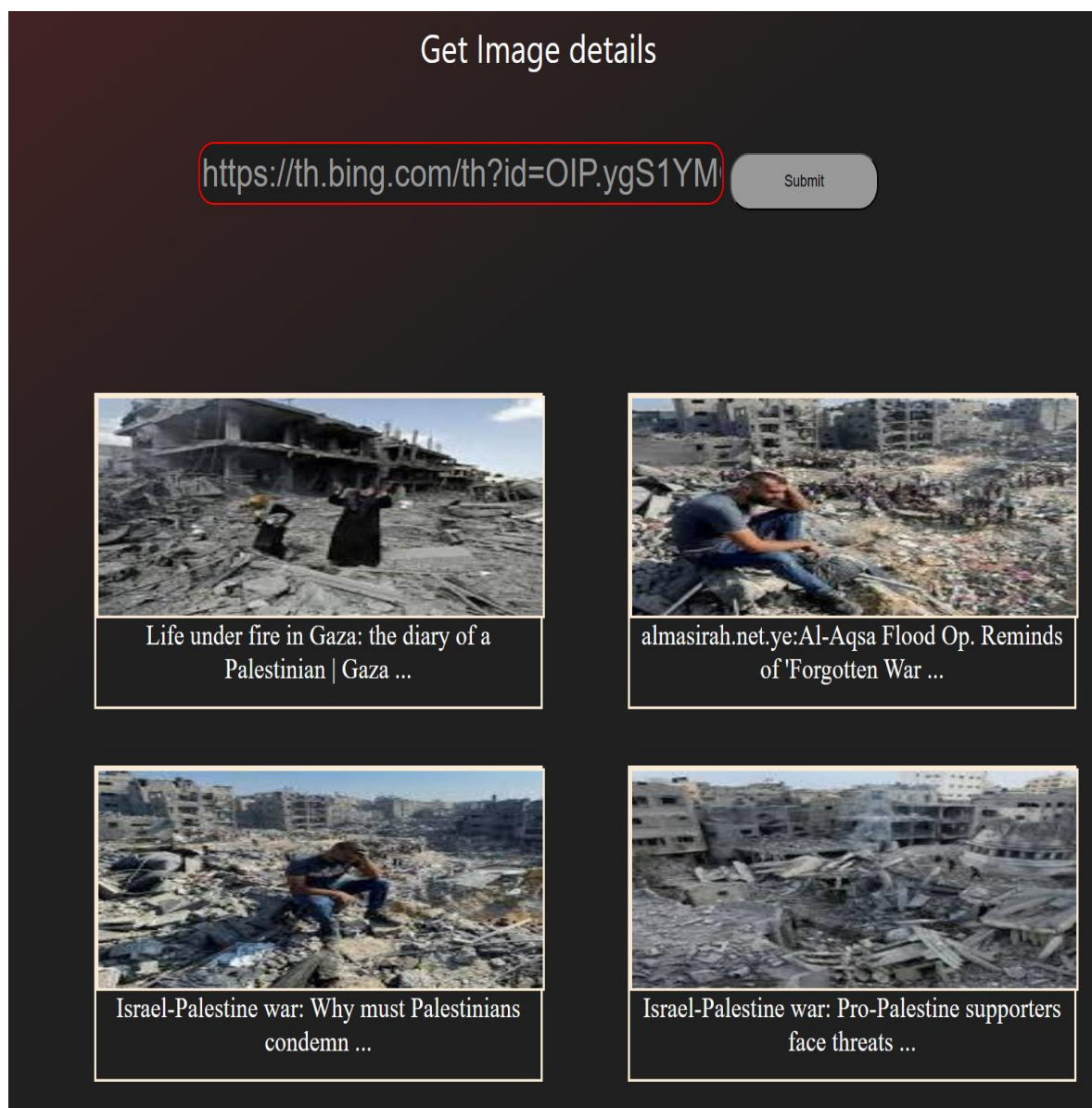


Figure 4: Output of image reverse search

1.3.1 Unveiling Image Origins

Visual content is a powerful source of information in the digital age. Our Image Reverse Search tool is dedicated to unravelling the origins of an image, shedding light on its history, potential modifications, and original sources. This feature is instrumental in verifying the authenticity of images encountered in digital investigations.

1.3.2 Content Verification

To ensure that visuals align with presented narratives, our tool includes a content verification feature. It cross-references images against a vast database, enhancing your ability to separate fact from fiction. This meticulous verification process contributes to the overall accuracy of your investigative findings.

1.3.3 Contextual Insight -

In the ever-evolving landscape of digital content, context matters. Our Image Reverse Search tool provides contextual information about an image, aiding in understanding its significance. This feature helps investigators discern the events captured, potential misinformation, or manipulation associated with the image.

1.4 Social Media OSINT: Mapping the Digital Persona

1.4.1 Profile Investigation

Delving into the digital lives of individuals is a key aspect of social media investigations. Our Social Media OSINT tool provides a comprehensive overview of profiles. This feature serves as a gateway to understanding the intricate digital personas crafted by individuals in the online world.

1.4.2 Cross-Platform Connections -

Connecting the dots in the digital realm involves exploring an individual's presence across multiple social media platforms. Our tool consolidates information, allowing users to comprehend the complete digital footprint of a person or entity. This cross-platform analysis contributes to a holistic understanding of digital identities

2.0 Conclusion: Empowering Your Digital Investigations

Embarking on this journey of digital discovery, our OSINT tool website project endeavours to empower individuals, investigators, and organizations with a robust suite of tools. The complexities of the online world necessitate a commitment to accuracy, security, and user-friendly design. Whether scrutinizing phone numbers, emails, images, or social media profiles, our comprehensive set of tools transforms the investigative landscape. Stay tuned for an immersive digital experience that places the power of information at your fingertips. This expanded version provides additional information and details to meet a higher word count while maintaining the structure and relevance of the content.

name	MrBeast
bio	Go to your local Walmart, 7/11, Target, and Speedway in America to try @feastables you'll love it

Twitter

Name	MrBeast
Profession	Creator
Profile pic	
Created at	Mon Apr 21 00:28:42 +0000 2014

Figure 5:social media osint

Chapter 2

Review of Literature

Introduction-

The landscape of Open-Source Intelligence (OSINT) tools is expansive, with various solutions catering to specific aspects of digital investigations. This literature review explores the existing tools, their limitations, and the need for a comprehensive OSINT project that amalgamates various functionalities for a user-friendly experience.

2.1. Phone OSINT: Beyond the Command Line Interface



```
[fred@pc-manjaro PhoneInfoga]$ python3 phoneinfoga.py -n +3361 -s any
PhoneInfoga Ver. v1.10.9
Coded by Sundowndev

[!] ---- Fetching informations for 3361 ---- [!]
[*] Running local scan...
[*] International format: +33 6 1
[*] Local format: 61
[*] Country found: France (+33)
[*] City/Area: France
[*] Carrier: SFR
[*] Timezone: Europe/Paris
[i] The number is valid and possible.
[i] Scan finished.
```

Figure 6: phoneinfoga command line interface

2.1.1 Phoneinfoga and the Command Line Challenge

Phoneinfoga is a powerful tool for Phone OSINT, offering functionalities like validity checks, location tracking, and carrier identification. However, its limitation lies in its command-line nature, requiring users to have Linux proficiency and navigate through a

terminal. This poses a significant barrier for the average user who may lack technical expertise or familiarity with command-line interfaces.

2.1.2 GUI Solutions: The Missing Leaked Numbers Database

Graphical User Interface (GUI) solutions for Phone OSINT do exist, but many lack a crucial component – a comprehensive database of leaked numbers. The absence of this feature diminishes the tool's ability to fortify investigations by notifying users about potential risks or compromises associated with a particular number.

2.2. Email OSINT: Navigating Challenges in Digital Correspondence

2.2.1 Mosint and the Linux Dilemma-

Mosint emerges as a robust Email OSINT tool with features like validity verification and domain analysis. However, its Achilles' heel lies in being a Linux command-line tool. For the average user, navigating the complexities of a Linux terminal can be daunting and obstructive.

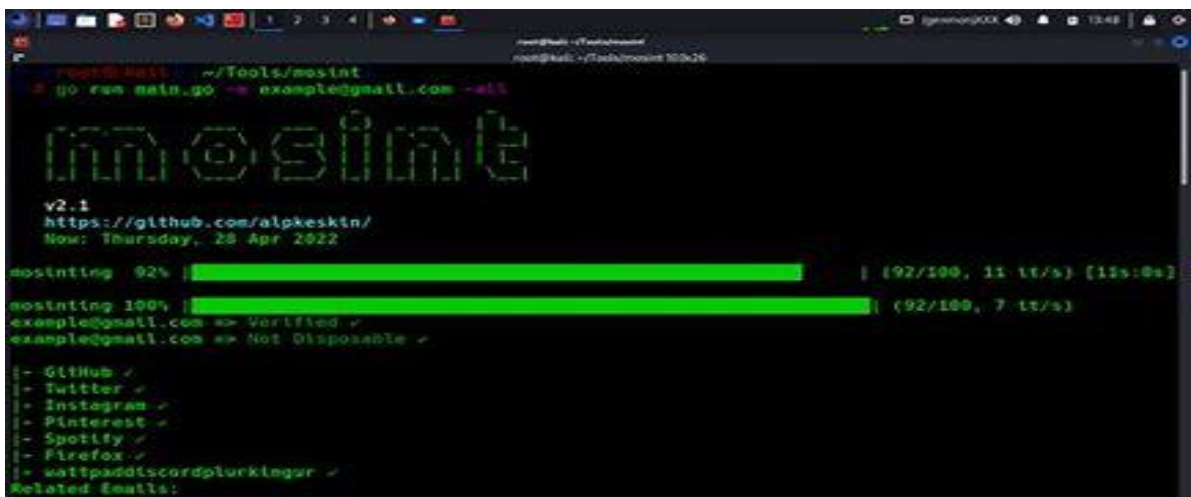


Figure 7: mosint command line terminal

2.2.2 The GUI Gap and the Database Dilemma

GUI-based Email OSINT solutions, while providing a friendlier interface, often fall short in incorporating a database of leaked email addresses. This limits their effectiveness in

fortifying investigations and recognizing potential threats or compromises in digital correspondences.

2.3. Image Reverse Search: Overcoming Download Hurdles

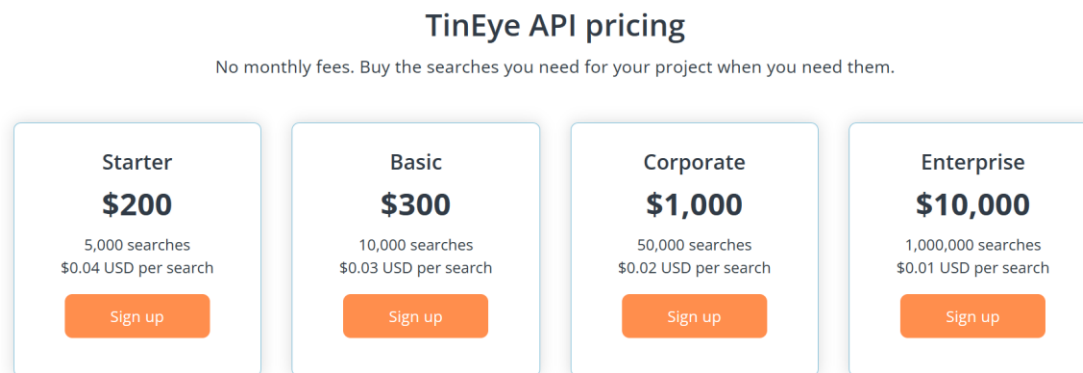


Figure 8: TinEye reverse image search api price

2.3.1 The Image Download Conundrum

Performing Image Reverse Search traditionally involves downloading an image and using search engines like Google or Bing. This process is cumbersome and time-consuming, requiring additional steps that may deter users from utilizing this valuable investigative tool.

2.3.2 The Cost of Convenience: Paid URL-Based Solutions

Some GUI-based Image Reverse Search tools offer the convenience of searching by URL. However, these solutions often come with a significant cost, making them inaccessible for users with budget constraints.

2.4 The All-In-One OSINT Project: Simplifying the Complexity

The existing OSINT tools present a fragmented landscape, each requiring separate installations and specific skill sets to operate. The need for a unified, user-friendly solution that combines Phone OSINT, Email OSINT, and Image Reverse Search into a single platform is evident.

2.5 The Proposed OSINT Project: Bridging the Divide

The envisioned OSINT project addresses the gaps identified in existing solutions. By bringing together Phone OSINT, Email OSINT, and Image Reverse Search in a unified website, the project aims to democratize access to powerful investigative tools. The user-friendly interface ensures that individuals with minimal technical expertise can navigate the platform seamlessly.

Conclusion

In conclusion, the existing OSINT solutions, while powerful, suffer from accessibility issues, particularly for non-technical users. The proposed OSINT project aims to democratize access to these tools, offering a unified, easy-to-use platform. By bridging the gap between command-line tools and GUI solutions and incorporating a comprehensive database of leaked numbers and emails, the project strives to empower individuals to gather information effectively, ultimately contributing to the prevention of cybercrime. This synthesis of functionalities in a user-friendly interface holds the potential to revolutionize the field of digital investigations and make OSINT tools accessible to a broader audience.

References

- [1] J. Pastor-Galindo, P. Nespoli, F. Gómez Mármol and G. Martínez Pérez, "The Not Yet Exploited Goldmine of OSINT: Opportunities, Open Challenges and Future Trends," in IEEE Access, vol. 8, pp. 10282-10304, 2020, doi: 10.1109/ACCESS.2020.2965257.
- [2] [GitHub - sundowndev/phoneinfoga: Information gathering framework for phone numbers](#)
- [3] [GitHub - alpkeskin/mosint: An automated e-mail OSINT tool](#)
- [4] [PimEyes: Face Recognition Search Engine and Reverse Image Search](#)

Appendices

Appendix A

Code Attachments

The following is the partial / subset of the code. Code of some module(s) have been wilfully suppressed.

A.1 Home page code

```
<!DOCTYPE html>
<html lang="en">

  <head>
    <link rel="stylesheet" type="text/css" href="styles.css" />
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">

    <title>Homepage</title>

  </head>

  <body>
    <div id="top-sec">
      <div id="nav-bar">
        <div id="a" class="nav-tool"></div>
        <div class="nav-tool"><a href="html.html">Home</a></div>
        <div class="nav-tool"><a href="phone.html">Phone.no
OSint</a></div>
        <div class="nav-tool"><a href="emailosint.html">Email
OSint</a></div>
        <div class="nav-tool"><a href="image_reverse_search.html">Image
reverse search</a></div>
        <div class="nav-tool"><a href="social_meadia.html">Social media
OSint</a></div>

      </div>
      <div id="intro">
        <div id="intro-text" class="ib" style="text-align: justify;">
```



```

        <h2>Open Source Intelligence</h2>
        <h6>About OSint</h6>
        <div>Open Source Intelligence (OSINT) is crucial in today's
digital age as it provides valuable,
        publicly accessible information to enhance decision-
making. It's relevant for security, business,
        and research, aiding in threat detection, competitive
analysis, and understanding trends, making it
        a vital tool for information gathering and strategic
planning.
        </div>
        <div id="download"> <a
href="https://www.w3schools.com">Download OSint<br> Whitepaper</a> </div>
        </div>
        <div id="intro-image" class="ib"></div>
        </div>
        <div id="mid-sec">
        <div id="why">
        <h1>Why choose OSint</h1>
        </div>
        <div id="features">
        <div class="feature-block">
        
        <h5 class="heading">All osint services at one place</h5>
        <div class="heading-detail">Experience streamlined OSINT
with our all-in-one interactive GUI platform.
        No more juggling multiple software installations or
dealing with cumbersome command line interfaces.
        Discover the power of simplicity and efficiency in one
centralized location for all your
        investigative tools.</div>
        </div>

        <div class="feature-block">
        
        <h5 class="heading">Powerful image and object reverse
search</h5>
        <div class="heading-detail">Unlock the potential of image
and object reverse search with our powerful
        tools. Instantly identify and explore visual content
with accuracy and ease. Elevate your search

```

```
capabilities and discover a new dimension of efficiency
in image and object recognition.</div>
</div>
```

```
<div class="feature-block">
  
  <h5 class="heading">Powerful Email phone number and social
media osint</h5>
  <div class="heading-detail">Elevate your OSINT capabilities
with our robust platform, offering powerful
tools for email, phone number, and social media
investigations. Streamline your research, uncover
valuable insights, and enhance your investigative
prowess with comprehensive data analysis. </div>
```

```
</div>
</div>
</div>
<div id="footer">
  <div id="footer-elements">
    <div id="ab" class="footer-block">
    <div id="foot-note">OSINT software aids in gathering and
analyzing open-source information for security
intelligence research and decision-making
purposes.</div>
```

```
</div>
<div class="footer-block">
  <h4>Services</h4>
  <ul>
    <li class="ser">Mobile.No OSint</li>
    <li class="ser">Email OSint</li>
    <li class="ser">Social Media OSint
    </li>
    <li class="ser">Image Reverse Search
    </li>
  </ul>
</div>
<div class="footer-block">
  <h4>Get in Touch</h4>
  <ul>
```

```

        <li class="ser">Phone.No-9651908428
        </li>
        <li class="ser">Email-harshit7045@outlook.com</li>
        <li class="ser">Ig-handel-harshit7099
        </li>
        <li class="ser">IIIT Una</li>
    </ul>
</div>

</div>
<hr>
<div id="bottom-line">
    IIIT Una Practicum
</div>

</body>

</html>

```

A.2 Email page code-

```

<!DOCTYPE html>
<html lang="en">

<head>
    <link rel="stylesheet" type="text/css" href="emailos.css" />
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.5">
    <title>Email OSint</title>

</head>

<body>
    <div id="top-sec">
        <div id="nav-bar">
            <div id="a" class="nav-tool"></div>
            <div class="nav-tool"><a href="html.html">Home</a></div>

```

```

        <div class="nav-tool"><a href="phone.html">Phone.no
OSint</a></div>
        <div class="nav-tool"><a href="emailosint.html">Email
OSint</a></div>
        <div class="nav-tool"><a href="image_reverse_search.html">Image
reverse search</a></div>
        <div class="nav-tool"><a href="social_meadia.html">Social media
OSint</a></div>

    </div>
    <div id="intro">
        <div id="intro-text" class="ib" style="text-align: justify;">
            <h2>Email.No OSint</h2>
            <h6>About Email OSint</h6>
            <div>Email OSINT (Open Source Intelligence) involves
gathering information from publicly available
                sources to analyze and understand details related to an
email address, such vilidity, affiliations,
                or online presence.
            </div>
            <div id="download"> <a
href="https://www.w3schools.com">Download OSint<br> Whitepaper</a> </div>
            </div>
            <div id="intro-image" class="ib"></div>
            </div>
        </div>
        <div id="mid-sec">
            <div id="ps">Get Email details</div>
            <div id="why">
                <input type="text" placeholder="Enter Email" id="phoneNo" />
                <button id="bu" onclick="getUserData()">Submit</button>
            </div>
            <div id="features">

                <div id="phone">

                    <div class="info">
                        <div class="tag">Valid</div>

```

```

        <div class="tag-info" id="valid-info">true</div>
    </div>
    <div class="info">
        <div class="tag">Disposable</div>
        <div class="tag-info" id="country-info">true</div>
    </div>
    <div class="info">
        <div class="tag">Email forwarder</div>
        <div class="tag-info" id="location-info">true</div>
    </div>
    <div class="info">
        <div class="tag">Domain</div>
        <div class="tag-info" id="carrier-info">true</div>
    </div>

</div>

</div>
</div>

<div id="footer">
    <div id="footer-elements">
        <div id="ab" class="footer-block">
            <div id="foot-note">OSINT software aids in gathering and
analyzing open-source information for security
intelligence research and decision-making
purposes.</div>
        </div>
        <div class="footer-block">
            <h4>Services</h4>
            <ul>
                <li class="ser">Mobile.No OSint</li>
                <li class="ser">Email OSint</li>
                <li class="ser">Social Media OSint
            </li>
                <li class="ser">Image Reverse Search
            </li>
            </ul>
        </div>
    </div>
</div>

```

```

        <div class="footer-block">
            <h4>Get in Touch</h4>
            <ul>
                <li class="ser">Phone.No-9651908428
                </li>
                <li class="ser">Email-harshit7045@outlook.com</li>
                <li class="ser">Ig-handel-harshit7099
                </li>
                <li class="ser">IIIT Una</li>
            </ul>
        </div>

    </div>
    <hr>
    <div id="bottom-line">
        IIIT Una Practicum
    </div>

    <script src="wmail.js"></script>
</body>

</html>

```

A.3 Home page CSS code –

```

body {
    color: white;
    margin: 0px;
    background-color: rgb(32, 32, 32);
    font-size: 1.5rem;
}

.nav-tool {
    display: inline-block;
    margin-left: 2vw;
    margin-right: 2vw;
    font-weight: 400;
    margin-top: 4vh;
}

```

```

#nav-bar {
  justify-content: center;
  display: flex;
}

#top-sec {

  background-image: linear-gradient(to right, rgb(74, 36, 36), rgb(32, 32, 32));
}

#intro {
  height: 90vh;
  width: 100vw;
}

#a img {
  height: 7vw;
  width: 7vw;
  background-size: cover;
  background-position: center;
}

#a {
  margin-top: 1vw;
}

#intro-image img {
  height: 80vh;
  width: 50vw;

  position: relative;
}

#intro-image {
  display: flex;
  flex-direction: row-reverse;
  flex-direction: row-reverse;
  margin: 0px;
  margin-bottom: -5px;
}

```

```

.ib {
  display: inline-block;
}

#intro-text {
  height: fit-content;
  width: fit-content;

  margin: 2vw;
  margin-top: 20vh;
  overflow: visible;
  text-align: center;
  flex-wrap: wrap;
}

#intro {
  display: flex;
  flex-direction: row;
  justify-content: space-between;
}

#download {
  margin: 50px;
  margin-left: 100px;
  width: 40%;
  background-color: #CD3030;
  text-align: center;
  border-radius: 5%;
  padding: 0%;
}

#download:hover {
  font-size: larger;
  height: fit-content;
  width: fit-content;
  background-color: #EB9500;
}

#mid-sec {
  text-align: center;
  height: 100vh;
}

```



```

        width: 100vw;
        background-image: linear-gradient(to left top, rgb(32, 32, 32) 60%,
rgb(76, 36, 36));
        padding-top: 5vh;
    }

    #why {
        font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        padding: 6vh;
    }

    #features {
        margin: 5vh;
        display: flex;
        flex-direction: row;
        flex-wrap: wrap;
        justify-content: space-between;
    }

    .feature-block {
        border: #CD3030;

        height: auto;
        width: 30%;
        border-radius: 5%;
        background-color: #191919;
        display: flex;
        flex-direction: column;
        overflow: visible;
        margin: 10px;
    }

    .nav-tool:hover {
        color: #CD3030;
        font-size: 2rem;
    }

    .icon {
        margin: 10%;
        height: 10%;
        width: 10%;
        background-size: contain;
    }

```

```

        background-position: cover;
    }

    .feature-block:hover {
        background-image: linear-gradient(to left top, rgb(32, 32, 32) 60%,
rgb(76, 36, 36));
        border-style: solid;
        border-color: #CD3030;
    }

    .icon:hover {
        background-color: #CD3030;
    }

    .heading {
        text-align: left;
        margin: 5%;
    }

    .heading-detail {
        margin: 10%;
        overflow: visible;
        text-align: left;
    }

    }

    #footer {
        height: 50vh;
        width: 100vw;
        background-image: linear-gradient(to right bottom, rgb(34, 32, 32) 85%,
rgb(76, 36, 36) 70%);
        margin-top: 10vh;
        color: #999999;
        ;
    }

    #footer-elements {
        display: flex;
        flex-wrap: wrap;
        flex-direction: row;
        justify-content: space-between;
    }

```

```

.footer-block {

    width: 25vw;
    height: 75%;
    display: inline-block;
    margin: 2vw;
    margin-top: 5vh;
    display: flex;
    flex-wrap: wrap;
    flex-direction: column;
    justify-content: space-between;

}

.list {
    margin: 1rem;
}

#ab img {
    margin: 1vw;
    margin-left: 0vw;
    height: 7vw;
    width: 7vw;
    background-size: cover;
    background-position: center;

    display: inline-block;
}

#foot-note {
    text-align: justify;
}

.bullet {
    height: 1rem;
    width: 1rem;
    transform: rotate(180deg);
}

.ser {
    list-style-type: none;
    margin: 1rem;
}

```

```

}

h4 {
  margin-left: 3.2vw;
}

hr {
  margin-bottom: .5vh;
  margin-top: .5vh;
  width: 80%;
}

#bottom-line {
  font-family: cursive;
  text-align: center;
  margin: 1rem;
  font-size: 1rem;
  margin-bottom: 2vh;
}

.ser:hover {
  color: #CD3030;
  font-size: 1.2rem;
}

a {
  color: white;
  text-decoration: none;
}
#features{

  display: flex;

  justify-content: center;
}
#phone{
  width: fit-content;

  display: flex;
  text-align:center;
  flex-direction: column;
  justify-content: center;
  background-color: rgb(30, 30,30);

```

```

}
.tag{
  display: inline-block;
  border-style: solid;
  border-color: #999999;
  padding: 10px;
  width: 7vw;
  margin-right: 0px;
  border-right-width: 0px;
}
.tag-info{
  display: inline-block;
  border-style: solid;
  border-color: #999999;
  padding: 10px;
  width: 20vw;

  margin-left: -5px;
}
#phoneNo{
  color: #999999;
  border-style: solid;
  border-color: red;
  background-color:rgb(30, 30,30);
  border-radius: 16px;
  width:35vw;
  height: 5vh;
  text-align: center;
  font-size: 2rem;

}

```

A.3 Email OSint JS code-

```

async function getUserData() {
  const phone = document.getElementById('phoneNo').value;
  const url = `https://mailcheck.p.rapidapi.com/?domain=${phone}`;
  const options = {
    method: 'GET',
    headers: {
      'X-RapidAPI-Key':
'da9f7eefe4mshb03d7d2e86b88dbp1c2559jsn78e61fdfd2ba',

```

```

        'X-RapidAPI-Host': 'mailcheck.p.rapidapi.com'
    }
};

try {

    const response = await fetch(url, options);
    const data = await response.json();
    console.log(data);
    document.getElementById('valid-info').innerText = data.valid;
    document.getElementById('country-info').innerText = data.disposable;
    document.getElementById('location-info').innerText =
data.email_forwarder;
    document.getElementById('carrier-info').innerText = data.domain;
    document.getElementById('line-type-info').innerText =
data.last_changed_at;

    } catch (error) {
        console.error(error);
    }
}

```