

Tutorial No. 3

Title: Conduct Google Dorking



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Roll No.: 16010423076**Experiments No.:3****Aim : To understand and demonstrate the concept of Google Dorking**

Resources : Internet access, web-browser

Theory:**Concept of Google Dorking**

Google Dorking, also known as Google Hacking, is a technique used to extract sensitive or hidden information from web servers through advanced Google search queries. By crafting specific search operators or "dorks," one can discover improperly configured servers, sensitive directories, confidential documents, login portals, or even personally identifiable information (PII).

This technique is not inherently malicious but can be leveraged by ethical hackers to test the security posture of websites and systems. At the same time, malicious attackers may exploit it to compromise sensitive data.

The idea behind Google Dorking is to use Google as a search tool more effectively, beyond its conventional usage. By combining operators like `intitle`, `filetype`, and `inurl`, one can refine searches to retrieve specific results. This process highlights the importance of robust cybersecurity measures, as even seemingly minor misconfigurations can expose sensitive information.

Methods of Google Dorking

Google Dorking is performed using special search operators that narrow down the scope of a search. Common operators include:

1. **intitle**: Searches for pages with specific keywords in their titles.
2. **inurl**: Looks for keywords within the URL.
3. **filetype**: Finds specific file formats, such as PDFs, DOCs, or TXT files.
4. **site**: Restricts results to a particular domain.
5. **cache**: Displays the cached version of a webpage.

Conduct Google Dorking (Minimum5)

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Refer Implementation and Results section

Preventive measures for Google Dorking

To protect against Google Dorking and the exposure of sensitive information, organizations must implement robust security practices.

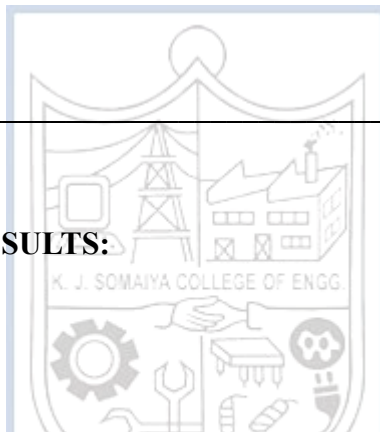
First, ensure sensitive directories and files are not publicly accessible by using proper server configurations. Employ robots.txt files to instruct search engines to exclude specific pages or directories from indexing.

Use strong access controls, such as password protection, to safeguard administrative and sensitive portals.

Regularly monitor and audit exposed files or directories using vulnerability scanning tools.

Finally, train employees on cybersecurity best practices to minimize human error and potential data leaks.

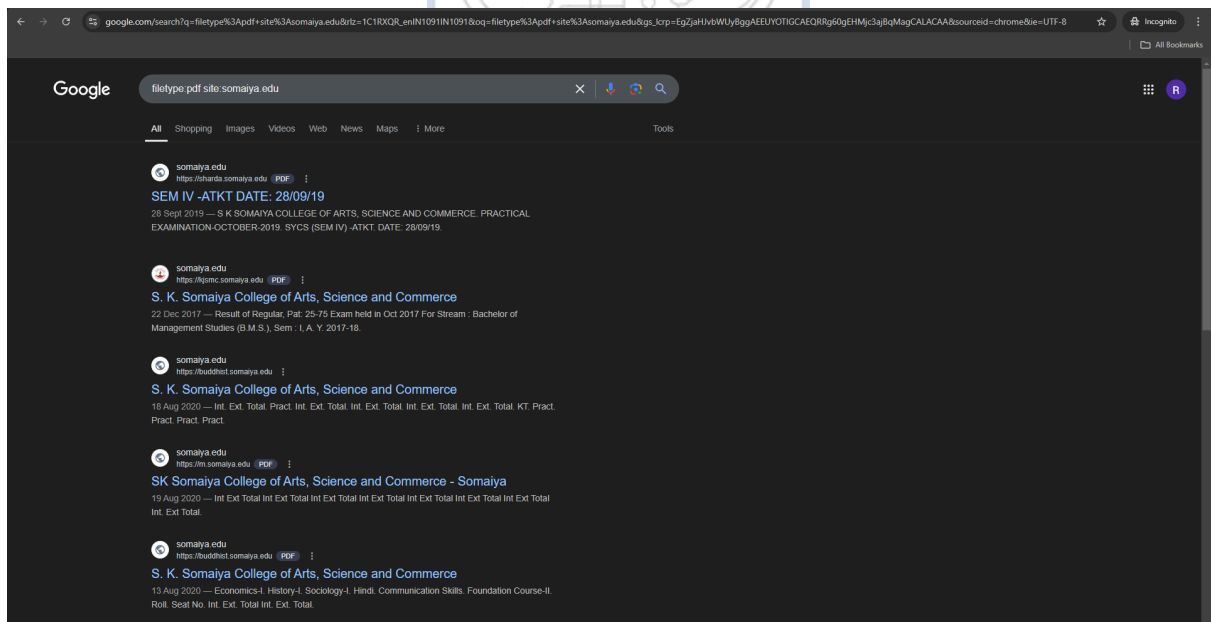
By taking these measures, organizations can significantly reduce the risks posed by Google Dorking.



IMPLEMENTATION AND RESULTS:

1) Exposed PDF Documents:

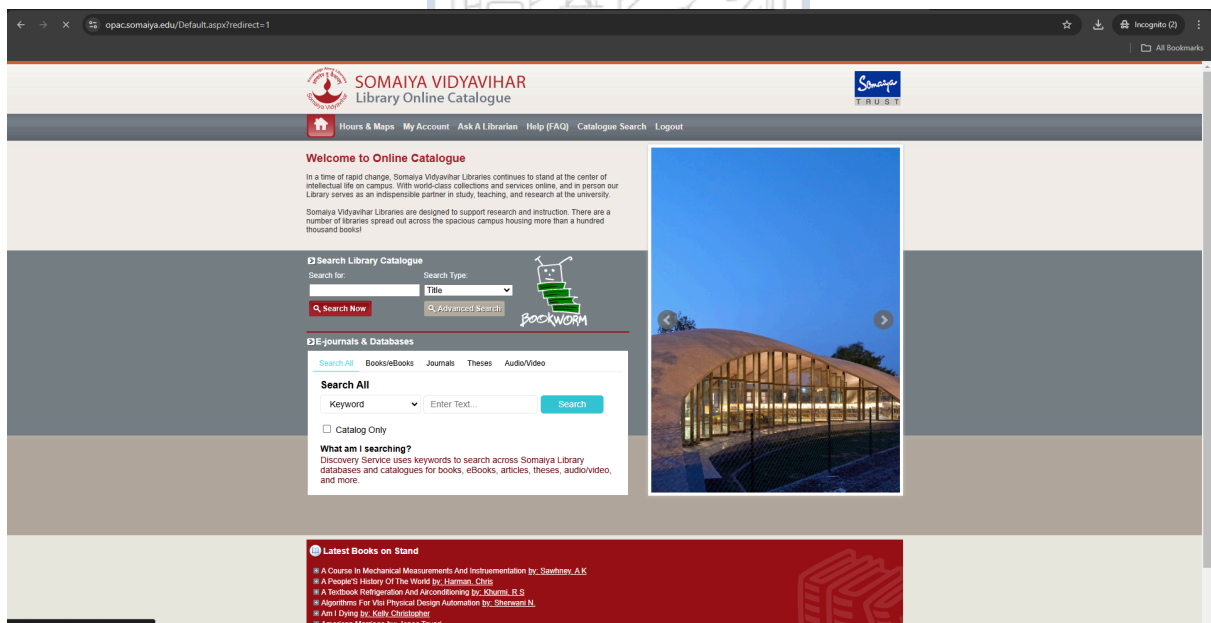
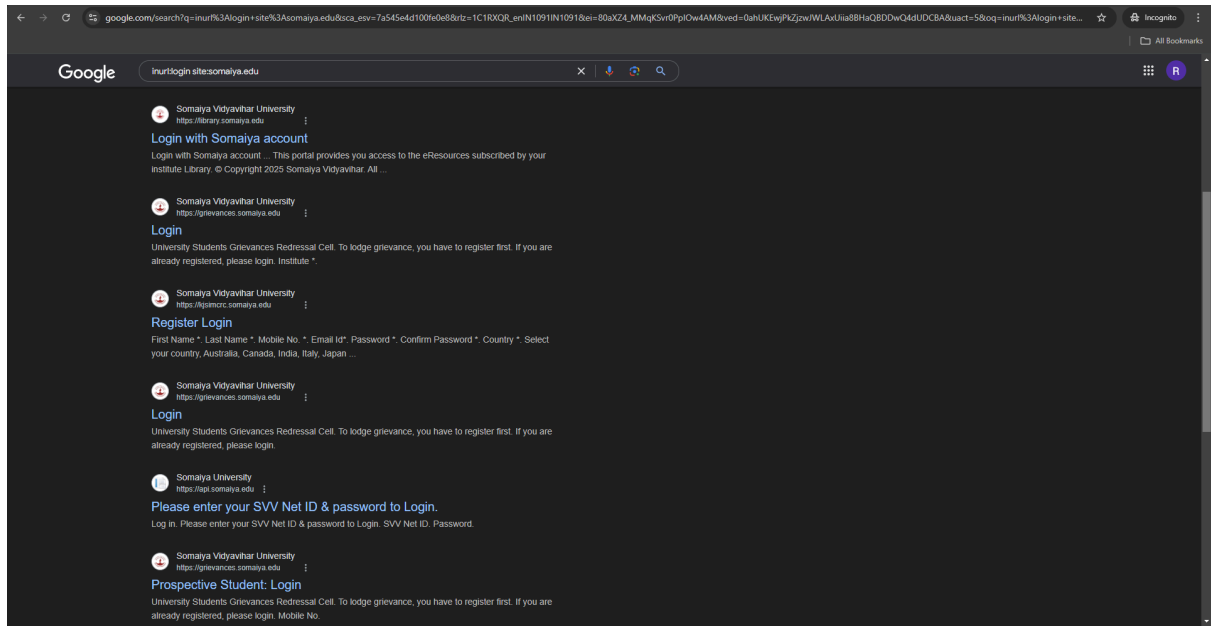
filetype:pdf site:somaiya.edu



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2) Login Pages

inurl:login site:somaiya.edu

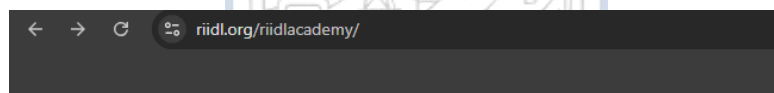
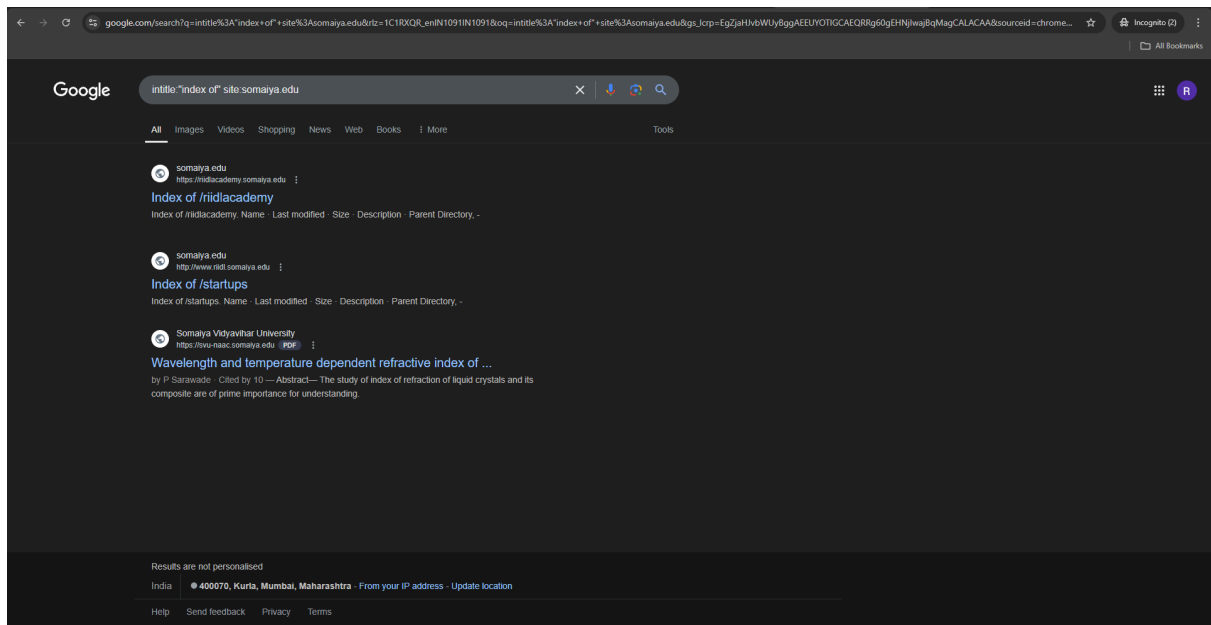


<https://api.somaiya.edu/Account/Login>

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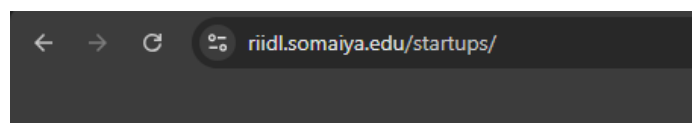
3) Open Directories

intitle:"index of" site:somaiya.edu



Index of /riidlacademy

Name	Last modified	Size	Description
Parent Directory		-	



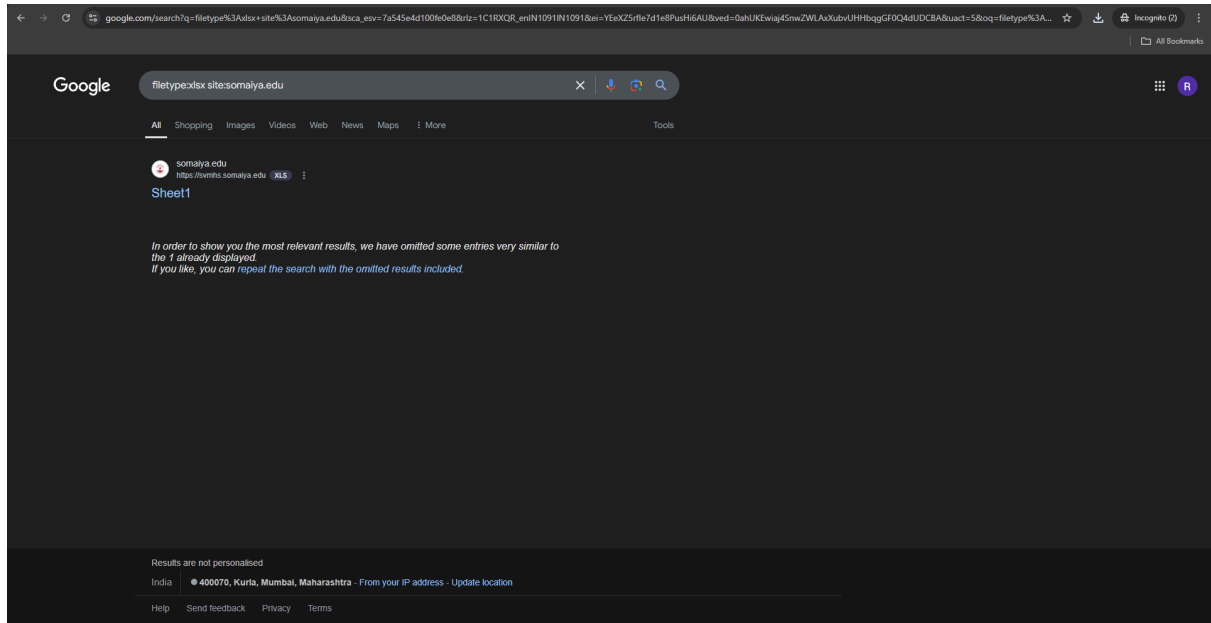
Index of /startups

Name	Last modified	Size	Description
Parent Directory		-	

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4) Excel Spreadsheets

filetype:xlsx site:somaiya.edu

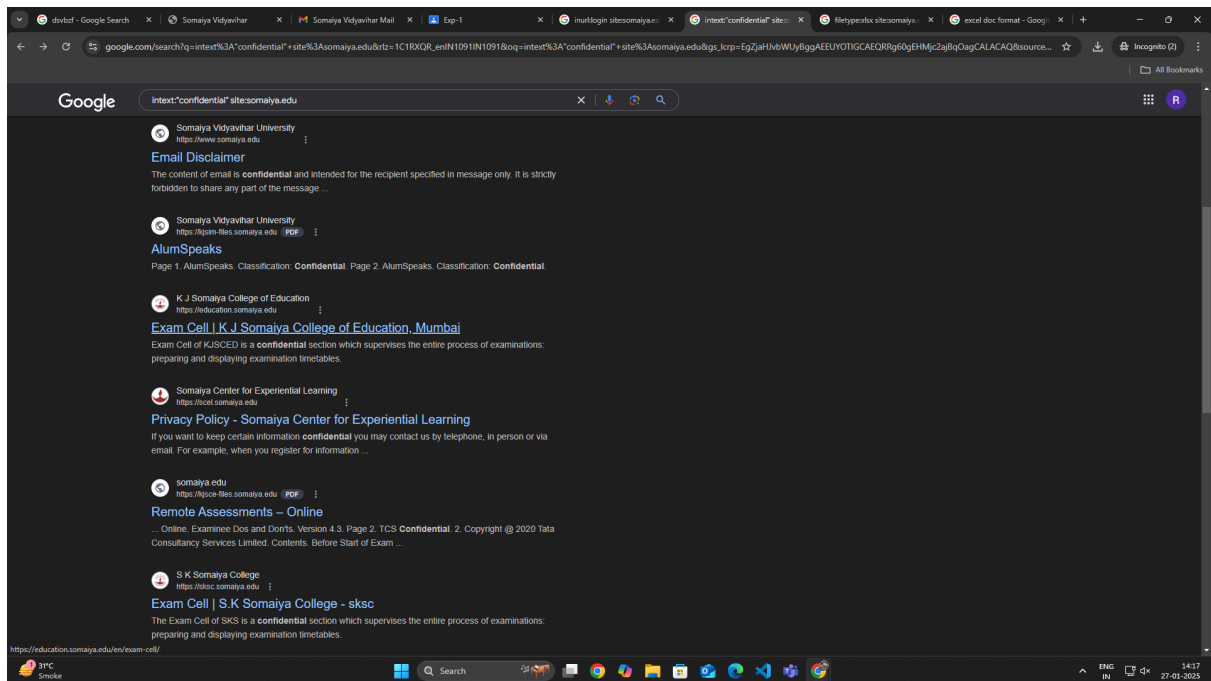


Final Remedial schedule.xlsx [Protected View] - Excel (Product Activation Failed)							
PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing							
	E	F	G	H	I	J	K
7	12:20 PM	FYBSc	II	sudha@somaiya.edu			
8	8:00 AM	SYBSc	I	reema@somaiya.edu			
9	9:25 AM	SYBSc	II	prabhatkumar@somaiya.edu			
10	12:25 PM	SYBSc	III	subhash.k@somaiya.edu			
11	9:15 AM	SYCS	Combinatorics and graph theory	pradeepsingh@somaiya.edu			
12	10:45 AM	TYBMS	Operations Research				
13	11:45 AM	SYCS	Linear Algebra using Python				
14	7:20 AM	FYIT	I, II	siddheshwar.b@somaiya.edu			
15	8:20 AM	FYCS	Discrete Mathematics	prashant.aa@somaiya.edu			
16	7:50 AM	SYIT	Applied Mathematics				
17	7:50 AM	FYCS	Statistics	perumal.v@somaiya.edu			
18	10:15 AM	FYBFM /FYBMS /FYBAF	Business Mathematics				
19	10:15 AM	FYBCom	Business Statistics	sheetal.w@somaiya.edu			
20	10:10 AM	TYBCom	Computer Programming				
21	11:00 AM	SYBCom	Computer System and Application				
22	11:30 AM	SYBAF/SYBMS/SYBFM	IT				
23							
24							

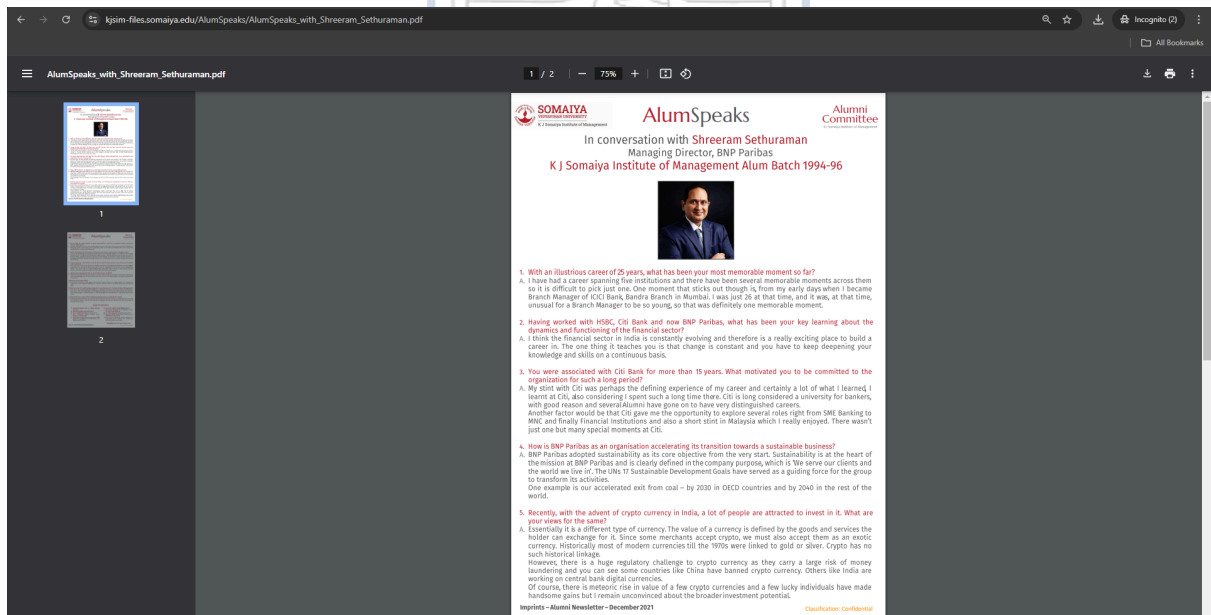
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5) Pages with Specific Keywords

intext:"confidential" site:somaiya.edu



https://kjsim-files.somaiya.edu/AlumSpeaks/AlumSpeaks_with_Shreeram_Sethuraman.pdf



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currency is defined by the goods and services the
crypto, we must also accept them as an exotic
currencies were linked to gold or silver. Crypto has no

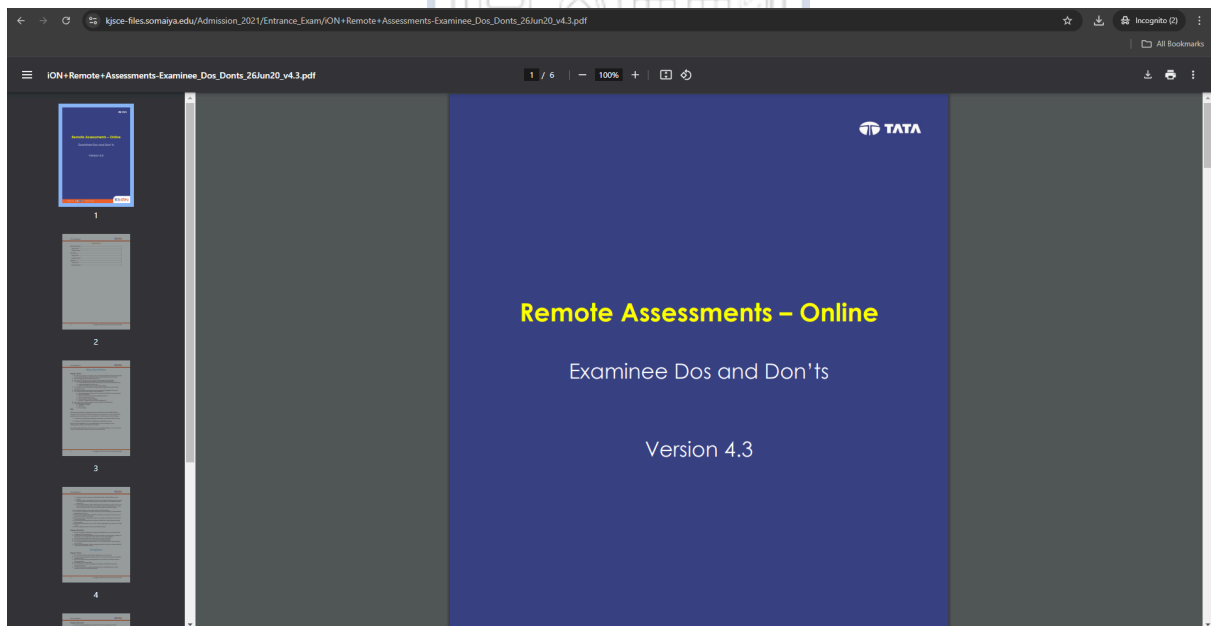
currency as they carry a large risk of money
banned crypto currency. Others like India are

countries and a few lucky individuals have made
investment potential.

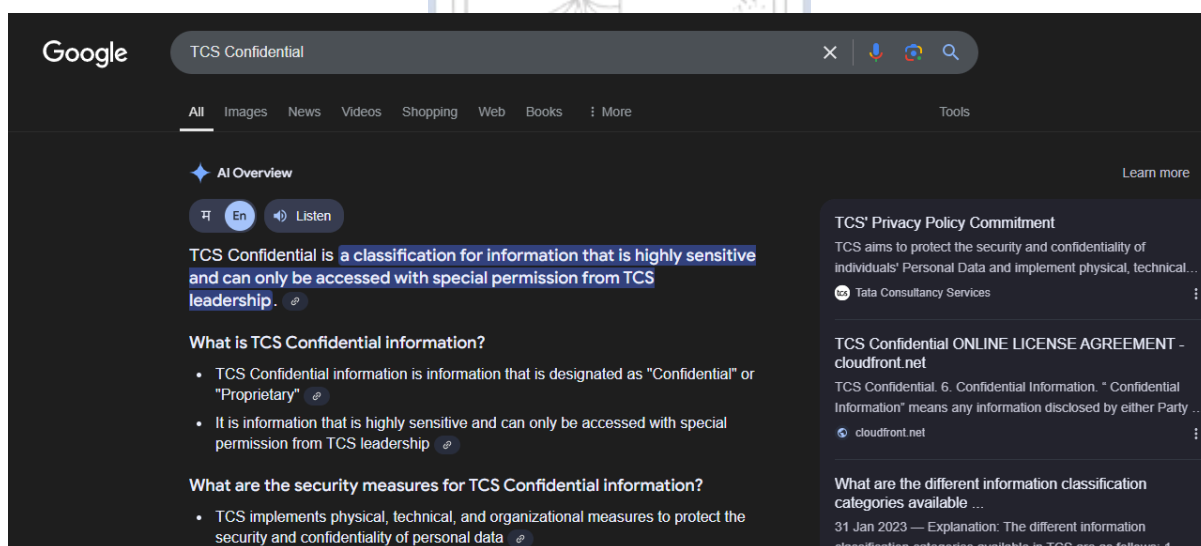
Classification: Confidential

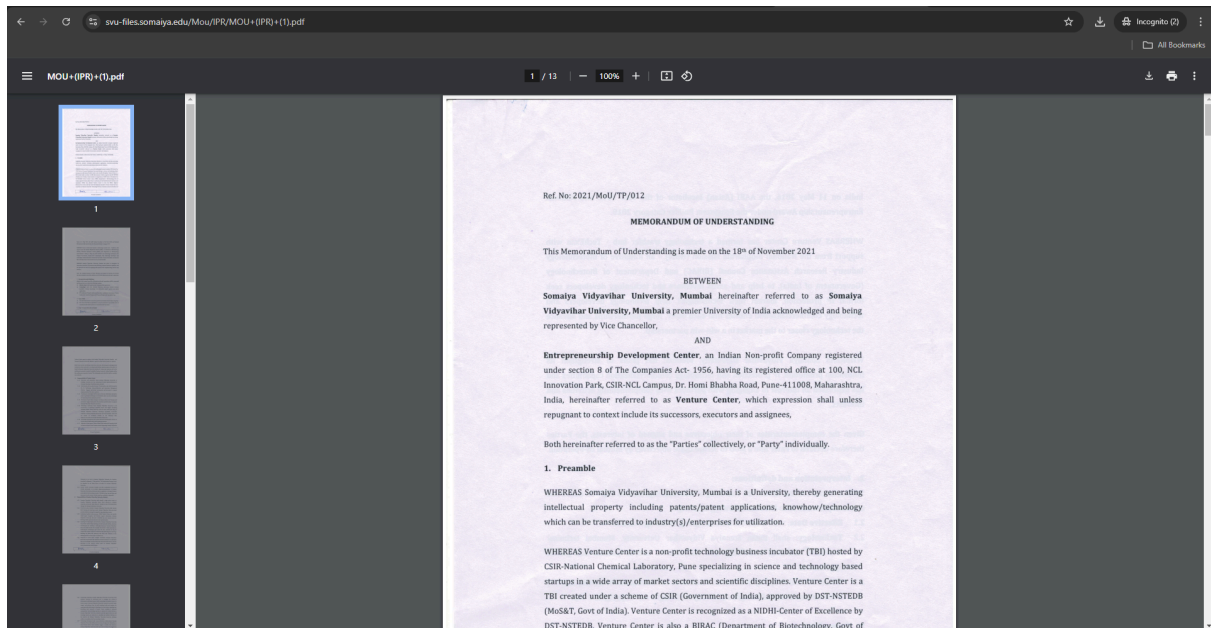
aks

Alumni
Committee
K J Somaiya Institute of Management



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Bioinnovation Center and the Center for Biopharma Analysis. Venture Center has been awarded the National Award for Technology Business Incubators from the President of

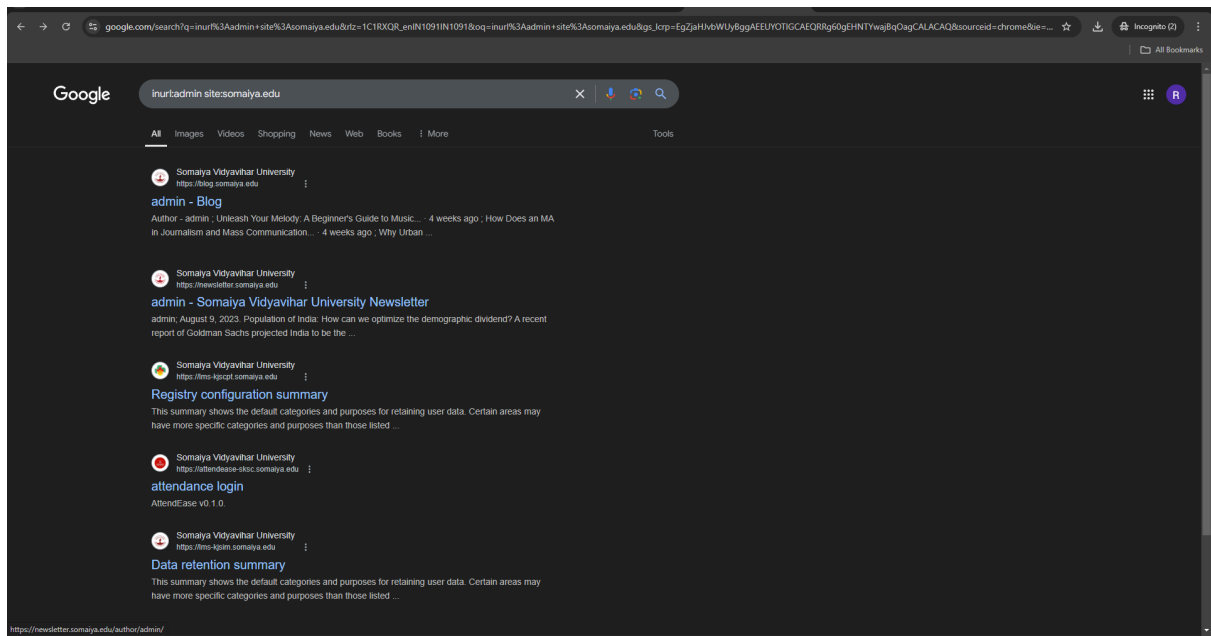
1

Private & Confidential

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6) Administrative Pages

inurl:admin site:somaiya.edu

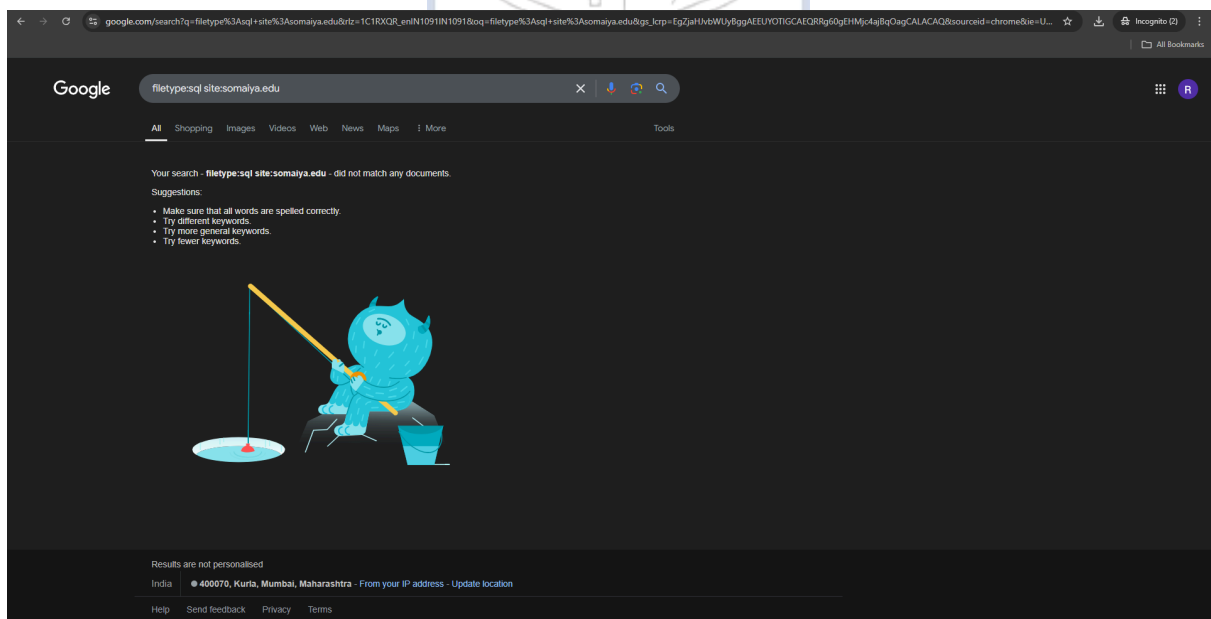


<https://lms-kjscept.somaiya.edu/admin/tool/dataprivacy/summary.php>

<https://lms-kjsim.somaiya.edu/admin/tool/dataprivacy/summary.php>

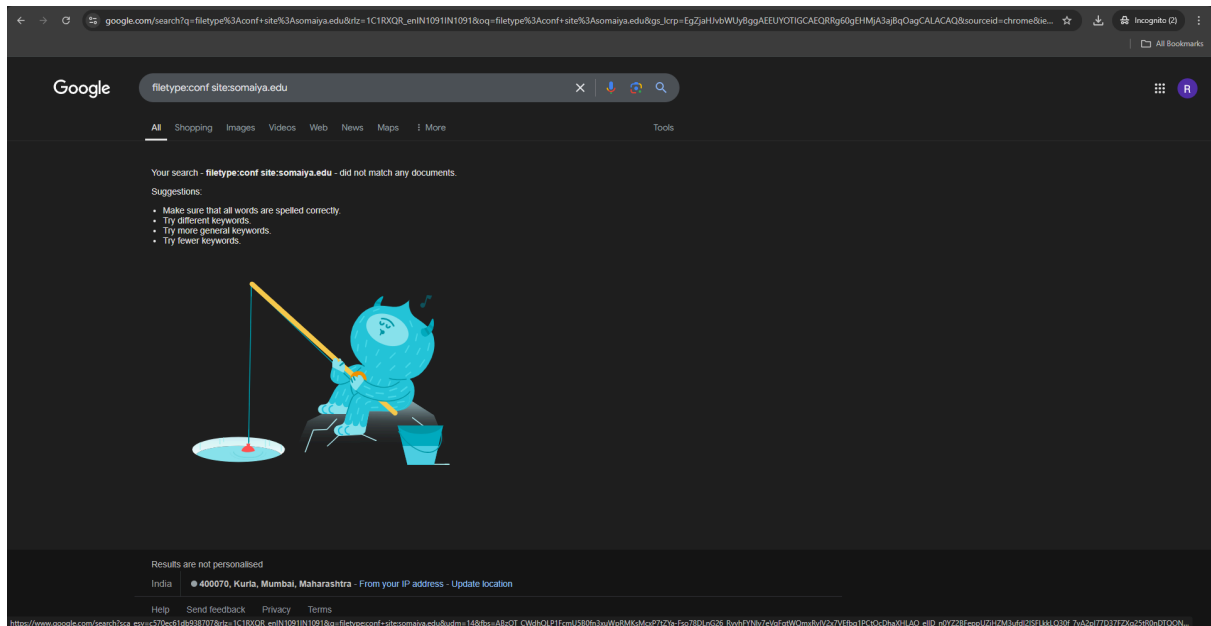
7) Database, Configuration, Backup Files

filetype:sql site:somaiya.edu

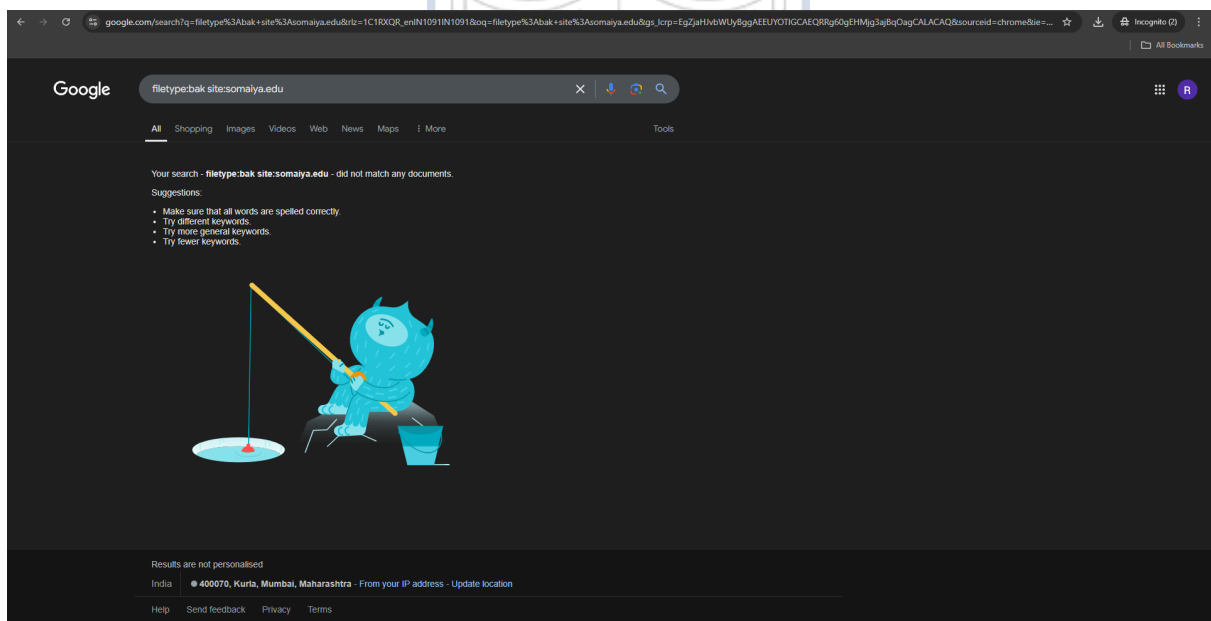


filetype:conf site:somaiya.edu

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filetype:bak site:somaiya.edu



Outcomes:

CO1: Realize that premise of vulnerability analysis and penetration testing (VAPT).

Conclusion: (Conclusion to be based on the objectives and outcomes achieved)

From this experiment, I learned how Google Dorking can be effectively used to identify sensitive information that may be unintentionally exposed online due to misconfigurations or improper security practices. By exploring and implementing various Google dork queries, I understood how attackers or ethical hackers can leverage search engine capabilities to gather critical information.

Grade: AA / AB / BB / BC / CC / CD / DD

Signature of faculty in-charge with date

REFERENCES:

📺 Google Dorking Tutorial | What Is Google Dorks And How To Use It? | Ethical Hackin...

https://www.imperva.com/learn/application-security/google-dorking-hacking/?utm_source=chatgpt.com

https://cybersecurityventures.com/google-dorking-for-digital-investigators/?utm_source=chatgpt.com