|  |
| --- |
| 1) How AI driven algorithm helps to match the defects on item to the respective crafts people? |
| 2) What steps need to be taken inorder to reduce the error and improve the accuracy? |
| 3) How best the techologies we are using such as AI model,bubble.io ,supabase should be optimised to get the best results? |
| 4)How much of manual work or easiness does this model bring to the society? |

**This project focuses on assessing the security of Canadian federal websites by conducting penetration testing (pentest). The goal is to identify vulnerabilities or weaknesses in their digital infrastructure that could be exploited by potential attackersFederal Government Websites (200 URLs)**

1. **What are the common vulnerabilities that are available in the Canadian website?**
2. **What are the technology trend that are available in the current federal websites?**
3. **How the penetration test help to improve the cybersecurity of the federal websites**
4. **What are the measures to be taken to accomplish the same?**
5. **Canada.ca** – <https://www.canada.ca/>
6. **Canada Revenue Agency (CRA)** – <https://www.canada.ca/en/revenue-agency.html>
7. **Immigration, Refugees and Citizenship Canada (IRCC)** – <https://www.canada.ca/en/immigration-refugees-citizenship.html>
8. **Service Canada** – <https://www.canada.ca/en/services.html>
9. **Health Canada** – <https://www.canada.ca/en/health-canada.html>
10. **Public Safety Canada** – <https://www.publicsafety.gc.ca/>
11. **Canadian Forces** – <https://www.canada.ca/en/department-national-defence.html>
12. **Environment and Climate Change Canada** – <https://www.canada.ca/en/environment-climate-change.html>
13. **Global Affairs Canada** – <https://www.international.gc.ca/>
14. **Transport Canada** – <https://www.tc.gc.ca/>
15. **National Defence and the Canadian Forces** – <https://www.canada.ca/en/department-national-defence.html>
16. **Canadian Border Services Agency (CBSA)** – <https://www.cbsa-asfc.gc.ca/>
17. **Royal Canadian Mounted Police (RCMP)** – <https://www.rcmp-grc.gc.ca/>
18. **Canada Post** – <https://www.canadapost.ca/>
19. **Canadian Environmental Assessment Agency** – <https://www.ceaa.gc.ca/>
20. **Innovation, Science and Economic Development Canada** – <https://www.ic.gc.ca/>
21. **Statistics Canada** – <https://www.statcan.gc.ca/>
22. **Canada Pension Plan (CPP)** – <https://www.canada.ca/en/services/benefits/cpp.html>
23. **National Research Council Canada** – <https://nrc.canada.ca/>
24. **Canada Mortgage and Housing Corporation (CMHC)** – <https://www.cmhc-schl.gc.ca/>
25. **Agriculture and Agri-Food Canada** – <https://www.agr.gc.ca/>
26. **Natural Resources Canada** – <https://www.nrcan.gc.ca/>
27. **Canadian Space Agency (CSA)** – <https://www.asc-csa.gc.ca/>
28. **Canadian Radio-television and Telecommunications Commission (CRTC)** – <https://crtc.gc.ca/>
29. **Federal Court of Canada** – <https://www.fct-cf.gc.ca/>
30. **Canada Foundation for Innovation** – <https://www.innovation.ca/>
31. **Canada Council for the Arts** – <https://canadacouncil.ca/>
32. **Library and Archives Canada** – <https://www.bac-lac.gc.ca/>
33. **Veterans Affairs Canada** – <https://www.veterans.gc.ca/>
34. **Employment and Social Development Canada** – <https://www.canada.ca/en/employment-social-development.html>
35. **Canadian Human Rights Commission** – <https://www.chrc-ccdp.gc.ca/>
36. **Canadian Security Intelligence Service (CSIS)** – <https://www.csis.gc.ca/>
37. **Canada's Anti-Spam Legislation** – <https://www.fightspam.gc.ca/>
38. **Public Health Agency of Canada** – <https://www.canada.ca/en/public-health.html>
39. **Canadian Food Inspection Agency (CFIA)** – <https://www.inspection.gc.ca/>
40. **National Archives of Canada** – <https://www.archives.ca/>
41. **Department of Justice Canada** – <https://www.justice.gc.ca/>
42. **Canada's National Energy Board** – <https://www.neb-one.gc.ca/>
43. **Shared Services Canada** – <https://www.canada.ca/en/shared-services.html>
44. **Foreign Affairs and International Trade Canada** – <https://www.international.gc.ca/>
45. **Canada's Anti-Fraud Centre** – <https://www.antifraudcentre-centreantifraude.ca/>
46. **Bank of Canada** – <https://www.bankofcanada.ca/>
47. **Canadian Transportation Agency (CTA)** – <https://www.otc-cta.gc.ca/>
48. **Canada School of Public Service** – <https://www.csps-efpc.gc.ca/>
49. **Canada's National Defence** – <https://www.canada.ca/en/department-national-defence.html>
50. **Office of the Auditor General of Canada** – <https://www.oag-bvg.gc.ca/>
51. **Office of the Privacy Commissioner of Canada** – <https://www.priv.gc.ca/>
52. **Office of the Information Commissioner of Canada** – <https://www.oic-ci.gc.ca/>
53. **Innovation, Science and Economic Development Canada** – <https://www.ic.gc.ca/>
54. **The Treasury Board of Canada Secretariat** – <https://www.tbs-sct.gc.ca/>

**Provincial Government Websites**

**Ontario (51–60)**

1. **Government of Ontario** – <https://www.ontario.ca/>
2. **Ontario Ministry of Health** – <https://www.health.gov.on.ca/en/>
3. **Ontario Ministry of Education** – <https://www.ontario.ca/en/ministries/education>
4. **Ontario Ministry of Finance** – <https://www.fin.gov.on.ca/en/>
5. **Ontario Public Service** – <https://www.ontario.ca/page/ontario-public-service>
6. **Ontario Ministry of Transportation** – <https://www.mto.gov.on.ca/>
7. **Ontario Ministry of Labour** – <https://www.labour.gov.on.ca/>
8. **Ontario Ministry of Natural Resources** – <https://www.ontario.ca/en/ministries/natural-resources-and-forestry>
9. **Ontario Ministry of Municipal Affairs and Housing** – <https://www.ontario.ca/en/ministries/municipal-affairs-and-housing>
10. **Ontario Parks** – <https://www.ontarioparks.com/>

**British Columbia (61–70)**

1. **Government of British Columbia** – <https://www.gov.bc.ca/>
2. **British Columbia Ministry of Health** – <https://www.health.gov.bc.ca/>
3. **British Columbia Ministry of Education** – <https://www.bced.gov.bc.ca/>
4. **British Columbia Ministry of Finance** – <https://www.fin.gov.bc.ca/>
5. **British Columbia Ministry of Transportation** – <https://www.tranbc.ca/>
6. **British Columbia Ministry of Labour** – <https://www.labour.gov.bc.ca/>
7. **British Columbia Parks** – <https://bcparks.ca/>
8. **British Columbia Ministry of Municipal Affairs** – <https://www.civic.gov.bc.ca/>
9. **BC Services Card** – <https://www.gov.bc.ca/gov/content/governments/government-id/bc-services-card>
10. **British Columbia Ministry of Education** – <https://www.bced.gov.bc.ca/>

Here is the continuation of the list of Canadian government websites, including more provincial and territorial websites.

**Quebec (71–80)**

1. **Government of Quebec** – <https://www.quebec.ca/>
2. **Revenu Québec** – <https://www.revenuquebec.ca/>
3. **Ministry of Health and Social Services (Quebec)** – <https://publicsante.msss.gouv.qc.ca/>
4. **Ministry of Education (Quebec)** – <https://www.education.gouv.qc.ca/>
5. **Ministry of Finance (Quebec)** – <https://www.finances.gouv.qc.ca/>
6. **Quebec Ministry of Municipal Affairs and Housing** – <https://www.mamh.gouv.qc.ca/>
7. **Quebec Ministry of Transport** – <https://www.transports.gouv.qc.ca/>
8. **Société de l'assurance automobile du Québec (SAAQ)** – <https://saaq.gouv.qc.ca/>
9. **Quebec Ministry of Labour** – <https://travail.gouv.qc.ca/>
10. **Hydro-Québec** – <https://www.hydroquebec.com/>

**Alberta (81–90)**

1. **Government of Alberta** – <https://www.alberta.ca/>
2. **Alberta Ministry of Health** – <https://www.alberta.ca/health.aspx>
3. **Alberta Ministry of Education** – <https://www.alberta.ca/education.aspx>
4. **Alberta Ministry of Finance** – <https://www.alberta.ca/finance.aspx>
5. **Alberta Ministry of Municipal Affairs** – <https://www.alberta.ca/municipal-affairs.aspx>
6. **Alberta Ministry of Transportation** – <https://www.alberta.ca/transportation.aspx>
7. **Alberta Labour and Immigration** – <https://www.alberta.ca/labour.aspx>
8. **Alberta Parks** – <https://www.albertaparks.ca/>
9. **Alberta Health Services** – <https://www.albertahealthservices.ca/>
10. **Alberta Energy Regulator** – <https://www.aer.ca/>

**Nova Scotia (91–100)**

1. **Government of Nova Scotia** – <https://novascotia.ca/>
2. **Nova Scotia Ministry of Health** – <https://novascotia.ca/dhw/>
3. **Nova Scotia Department of Education** – <https://novascotia.ca/education/>
4. **Nova Scotia Ministry of Municipal Affairs** – <https://novascotia.ca/dma/>
5. **Nova Scotia Ministry of Finance** – <https://novascotia.ca/finance/>
6. **Nova Scotia Labour and Advanced Education** – <https://novascotia.ca/lae/>
7. **Nova Scotia Environment** – <https://novascotia.ca/nse/>
8. **Nova Scotia Transportation and Infrastructure Renewal** – <https://novascotia.ca/tran/>
9. **Nova Scotia Parks** – <https://novascotiaparks.ca/>
10. **Nova Scotia Power** – <https://www.nspower.ca/>

**Manitoba (101–110)**

1. **Government of Manitoba** – <https://www.gov.mb.ca/>
2. **Manitoba Ministry of Health** – <https://www.gov.mb.ca/health/>
3. **Manitoba Ministry of Education** – <https://www.edu.gov.mb.ca/>
4. **Manitoba Ministry of Finance** – <https://www.gov.mb.ca/finance/>
5. **Manitoba Ministry of Municipal Relations** – <https://www.gov.mb.ca/mr/>
6. **Manitoba Ministry of Infrastructure** – <https://www.gov.mb.ca/mit/>
7. **Manitoba Labour and Immigration** – <https://immigratemanitoba.com/>
8. **Manitoba Conservation and Climate** – <https://www.gov.mb.ca/conservation/>
9. **Manitoba Parks** – <https://www.gov.mb.ca/sd/parks/>
10. **Manitoba Hydro** – <https://www.hydro.mb.ca/>

**Saskatchewan (111–120)**

1. **Government of Saskatchewan** – <https://www.saskatchewan.ca/>
2. **Saskatchewan Ministry of Health** – <https://www.saskatchewan.ca/government/government-structure/ministries/health>
3. **Saskatchewan Ministry of Education** – <https://www.saskatchewan.ca/government/government-structure/ministries/education>
4. **Saskatchewan Ministry of Finance** – <https://www.saskatchewan.ca/government/government-structure/ministries/finance>
5. **Saskatchewan Ministry of Highways** – <https://www.saskatchewan.ca/government/government-structure/ministries/highways>
6. **Saskatchewan Ministry of Municipal Affairs** – <https://www.saskatchewan.ca/government/government-structure/ministries/municipal-affairs>
7. **Saskatchewan Ministry of Labour Relations and Workplace Safety** – <https://www.saskatchewan.ca/government/government-structure/ministries/labour-relations-and-workplace-safety>
8. **Saskatchewan Environment** – <https://www.saskatchewan.ca/government/government-structure/ministries/environment>
9. **Saskatchewan Parks** – <https://www.saskparks.com/>
10. **SaskEnergy** – <https://www.saskenergy.com/>

**Other Provinces and Territories**

**New Brunswick (121–130)**

1. **Government of New Brunswick** – <https://www.welcomenb.ca/>
2. **New Brunswick Ministry of Health** – <https://www.welcomenb.ca/content/wel-bien/en.html>
3. **New Brunswick Ministry of Education** – <https://www.ednet.ns.ca/>
4. **New Brunswick Department of Finance** – <https://www.fin.gov.nb.ca/>
5. **New Brunswick Department of Transportation and Infrastructure** – <https://www.welcomenb.ca/content/wel-bien/en.html>
6. **New Brunswick Parks** – <https://www.tourismnewbrunswick.ca/>
7. **New Brunswick Hydro** – <https://www.nbpower.com/>
8. **New Brunswick Public Safety** – <https://www.welcomenb.ca/content/wel-bien/en.html>
9. **New Brunswick Labour and Employment** – <https://www.welcomenb.ca/content/wel-bien/en.html>
10. **New Brunswick Tourism** – <https://ww.tourismnewbrunswick.ca/>

**Newfoundland and Labrador (131–140)**

1. **Government of Newfoundland and Labrador** – <https://www.gov.nl.ca/>
2. **Newfoundland and Labrador Ministry of Health** – <https://www.health.gov.nl.ca/>
3. **Newfoundland and Labrador Department of Education** – <https://www.gov.nl.ca/education/>
4. **Newfoundland and Labrador Department of Finance** – <https://www.gov.nl.ca/finance/>
5. **Newfoundland and Labrador Ministry of Municipal Affairs** – <https://www.gov.nl.ca/ma/>
6. **Newfoundland and Labrador Department of Transportation** – <https://www.gov.nl.ca/ti/>
7. **Newfoundland and Labrador Labour Relations** – <https://www.gov.nl.ca/labour/>
8. **Newfoundland and Labrador Environment** – <https://www.gov.nl.ca/mae/>
9. **Newfoundland and Labrador Parks** – <https://www.gov.nl.ca/parks/>
10. **Newfoundland and Labrador Hydro** – <https://www.nlh.nl.ca/>

Here is the continuation of the list of Canadian government websites, including websites from the remaining provinces and territories:

**Prince Edward Island (141–150)**

1. **Government of Prince Edward Island** – <https://www.princeedwardisland.ca/>
2. **Prince Edward Island Ministry of Health** – <https://www.healthpei.ca/>
3. **Prince Edward Island Ministry of Education** – <https://www.edu.pe.ca/>
4. **Prince Edward Island Ministry of Finance** – <https://www.gov.pe.ca/finance/>
5. **Prince Edward Island Ministry of Transportation** – <https://www.gov.pe.ca/transportation/>
6. **Prince Edward Island Municipal Affairs** – <https://www.gov.pe.ca/mma/>
7. **Prince Edward Island Environment** – <https://www.gov.pe.ca/environment/>
8. **Prince Edward Island Parks** – <https://www.tourismpei.com/>
9. **Prince Edward Island Labour and Advanced Education** – <https://www.gov.pe.ca/labour/>
10. **Prince Edward Island Hydro** – <https://www.peihydro.com/>

**Northwest Territories (151–160)**

1. **Government of Northwest Territories** – <https://www.gov.nt.ca/>
2. **Northwest Territories Ministry of Health** – <https://www.hss.gov.nt.ca/>
3. **Northwest Territories Ministry of Education, Culture and Employment** – <https://www.ece.gov.nt.ca/>
4. **Northwest Territories Ministry of Finance** – <https://www.finance.gov.nt.ca/>
5. **Northwest Territories Ministry of Transportation** – <https://www.assembly.gov.nt.ca/>
6. **Northwest Territories Municipal and Community Affairs** – <https://www.maca.gov.nt.ca/>
7. **Northwest Territories Environment and Natural Resources** – <https://www.enr.gov.nt.ca/>
8. **Northwest Territories Parks** – <https://www.ewc.gov.nt.ca/>
9. **Northwest Territories Labour** – <https://www.gov.nt.ca/>
10. **Northwest Territories Power Corporation** – <https://www.ntpc.com/>

**Yukon (161–170)**

1. **Government of Yukon** – <https://yukon.ca/>
2. **Yukon Ministry of Health** – <https://yukon.ca/en/health-and-social-services>
3. **Yukon Ministry of Education** – <https://yukon.ca/en/education>
4. **Yukon Ministry of Finance** – <https://yukon.ca/en/finance>
5. **Yukon Ministry of Highways and Public Works** – <https://yukon.ca/en/highways-and-public-works>
6. **Yukon Ministry of Municipal Affairs** – <https://yukon.ca/en/municipal-affairs>
7. **Yukon Environment** – <https://yukon.ca/en/environment>
8. **Yukon Parks** – <https://yukon.ca/en/parks>
9. **Yukon Energy Corporation** – <https://yukonenergy.ca/>
10. **Yukon Housing Corporation** – <https://yukon.ca/en/housing>

**Nunavut (171–180)**

1. **Government of Nunavut** – <https://www.gov.nu.ca/>
2. **Nunavut Ministry of Health** – <https://www.gov.nu.ca/family-services>
3. **Nunavut Ministry of Education** – <https://www.gov.nu.ca/family-services>
4. **Nunavut Ministry of Finance** – <https://www.gov.nu.ca/finance>
5. **Nunavut Ministry of Transportation** – <https://www.gov.nu.ca/family-services>
6. **Nunavut Municipal Affairs** – <https://www.gov.nu.ca/family-services>
7. **Nunavut Environment** – <https://www.gov.nu.ca/family-services>
8. **Nunavut Parks** – <https://www.gov.nu.ca/family-services>
9. **Nunavut Housing Corporation** – <https://www.gov.nu.ca/family-services>
10. **Nunavut Arctic College** – <https://www.arcticcollege.ca/>

**General Canadian Government Services and Agencies (181–200)**

1. **Canada’s Anti-Fraud Centre** – <https://www.antifraudcentre-centreantifraude.ca/>
2. **Royal Canadian Mounted Police (RCMP)** – <https://www.rcmp-grc.gc.ca/>
3. **Canada Border Services Agency** – <https://www.cbsa-asfc.gc.ca/>
4. **Public Safety Canada** – <https://www.publicsafety.gc.ca/>
5. **Canadian Food Inspection Agency (CFIA)** – <https://www.inspection.gc.ca/>
6. **Canadian Human Rights Commission** – <https://www.chrc-ccdp.gc.ca/>
7. **Innovation, Science and Economic Development Canada** – <https://www.ic.gc.ca/>
8. **Public Health Agency of Canada** – <https://www.canada.ca/en/public-health.html>
9. **Canada Pension Plan (CPP)** – <https://www.canada.ca/en/services/benefits/cpp.html>
10. **Canada Mortgage and Housing Corporation (CMHC)** – <https://www.cmhc-schl.gc.ca/>
11. **The Bank of Canada** – <https://www.bankofcanada.ca/>
12. **Statistics Canada** – <https://www.statcan.gc.ca/>
13. **Public Service Commission of Canada** – <https://www.canada.ca/en/public-service-commission.html>
14. **National Research Council Canada (NRC)** – <https://nrc.canada.ca/>
15. **Canada School of Public Service** – <https://www.csps-efpc.gc.ca/>
16. **Canada Council for the Arts** – <https://canadacouncil.ca/>
17. **Library and Archives Canada** – <https://www.bac-lac.gc.ca/>
18. **Canadian Broadcasting Corporation (CBC)** – <https://www.cbc.ca/>
19. **The Canada Foundation for Innovation** – <https://www.innovation.ca/>
20. **Canadian International Development Agency (CIDA)** – <https://www.acdi-cida.gc.ca/>