



Is Government a Friend or a Foe? Privacy in Open Government Data

Srishti Gupta, Mayank Gupta, Ponnurangam Kumaraguru
 {srishti1112 , pk}@iiitd.ac.in , mayank.gupta@dce.edu
<http://precog.iiitd.edu.in/profiling/>



1. PROBLEM STATEMENT

- What information can be extracted ?
- How harmful is the information ?
- How to make people aware ?

Name : Aman Kumar

Voters' Name* : Aman kumar

Father's/Mother's/Husband's Name :

House No. :

Voters' Photo Identity Card No. :

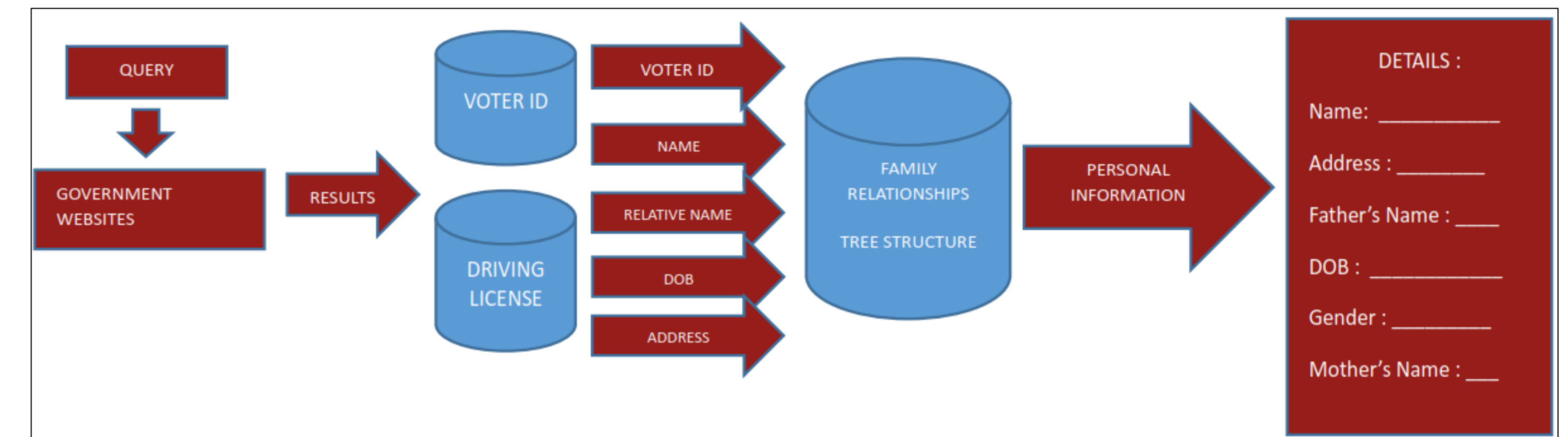
Search

Search through Your Voter ID Card Number ([Click Here](#))

AC No	Part No	Serial No	Section No	Voters' Address	Voters' Name	Relation	Relation Name	Age	Sex	ID Card No
13	14	171	1	B-701, BLOCK B J J CAMP SURAJ PARK	AMAN KUMAR	Father	RAMASRE	25	Male	
13	15	766	1	B-363, BLOCK-B, J J CAMP SURAJ PARK	AMAN KUMAR	Father	SNEHY LAL	25	Male	KSP2286003
13	15	1168	1	B-628, BLOCK-B, J J CAMP SURAJ PARK	AMAN KUMAR DIP	Father	RAM ASHREY	26	Male	KSP1987528

<http://ceodelhi.gov.in/OnlineErms/ElectorSearch.aspx>

3. APPLICATION SCHEMA



2. MOTIVATION The information portals in forms of the e-governance websites run by Delhi Government provide access to large amount of personal information of people

4. DATASETS

No of records : Voter ID : 8,207,311 ; Driving License : 224,982 ;
 MTNL phone-numbers : 2,515,847

6. FUTURE WORK

Incorporate national level databases

5. RESULTS



The screenshots show the 'Profiling' application interface. The top part shows a search for 'aman kumar' with results for 'Who do you want to search for?' and 'Results for Aman Kumar'. Below this is the 'Profile of Aman Kumar' showing personal details like Name, Voter ID, Age, Sex, and Address. At the bottom, there is a 'Family Tree of Aman Kumar' diagram showing relationships between family members.

LIVE !!

What users think !!

My data is secure !!



“Just by having secure passwords, people think they are safe !!
 But lot more data is still openly available”

What actually Is !!



Fig2 : <http://ceodelhi.gov.in/OnlineErms/ElectorSearch.aspx>



Data Integration

Data Openly Available

Name	Address
ROHIT S B 3 BLK 9 A G	
ROHIT D M S BOOTH 1	
ROHIT C 274 ARJUN NGR-29	
ROHIT B 70 GRD FLR Asha Pk-18	
ROHIT T 450/ B 2 Baljit Ngr-8	25875285
ROHIT 1725 14 IIND FLR Ram Gali Bh Palace-6	23876694
ROHIT 10 A J & K Hs Ktiya Mrg Ch Pur-21	24109854
ROHIT G 1290 GRD FLR Chitraranjan Pk-19	26279113
ROHIT SHP 7 BLK 10 RAJA RAM MKT Dakshinpur-62	26056933
ROHIT 6 19 Jharera VIII Di Cantt-10	25683214
ROHIT 230 DHIR PUR-9	27658183
ROHIT PLOT 30 ROHIT APTT SEC X DWARKA-45	25071446
ROHIT RM C 405 BOYS HOSTEL III N S I T Campus Sec III Dwarka-75, 26099297	
ROHIT 181 Fatehpur Berh-30	24955165

Fig3 : <http://phonebook.bol.net.in/>