



TRANSORG
ANALYTICS

Leading multinational financial services wanted to identify non-compliant merchants where corporate credit cards are being used

Objective

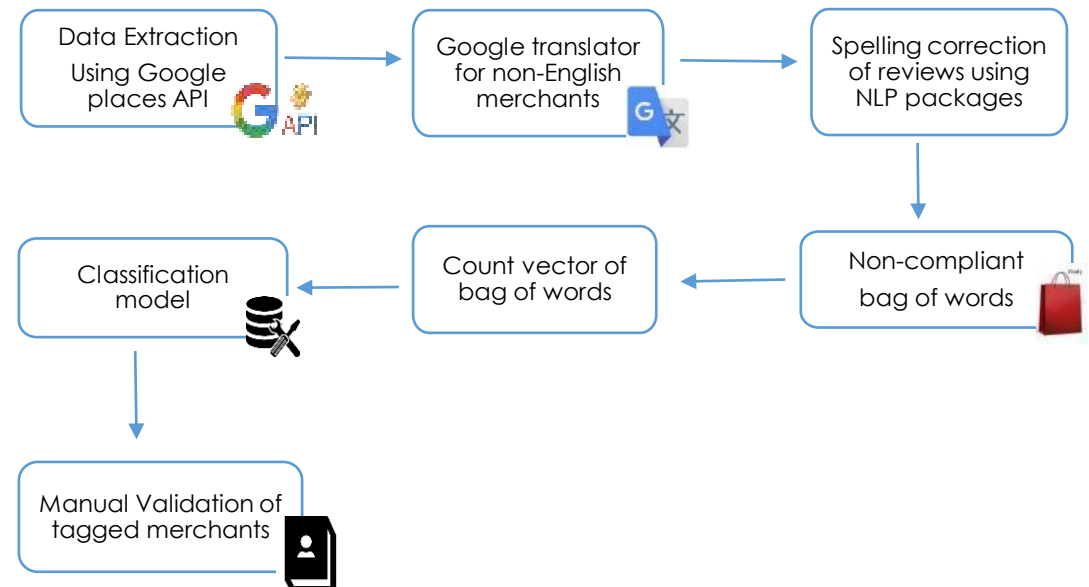
To identify non-compliant merchants based on external data. Non-compliant merchant refers to casinos, strip clubs or any adult entertainment club

Approach

- Merchant data is cleaned and duplicates are removed
- Google reviews & tags are extracted using Google locations API
- Google translator is used to translate reviews for non-English geographies to English language
- Stop words removed and spelling correction done for non dictionary words of Google reviews using natural language algorithms
- Non-compliant bag of words is created for merchant classification
- Word frequency for non-compliant bag of words is created on merchant name, reviews and tags
- Merchants are tagged as compliant or non-compliant based on merchants classification model
- Final validation is done manually to check model accuracy

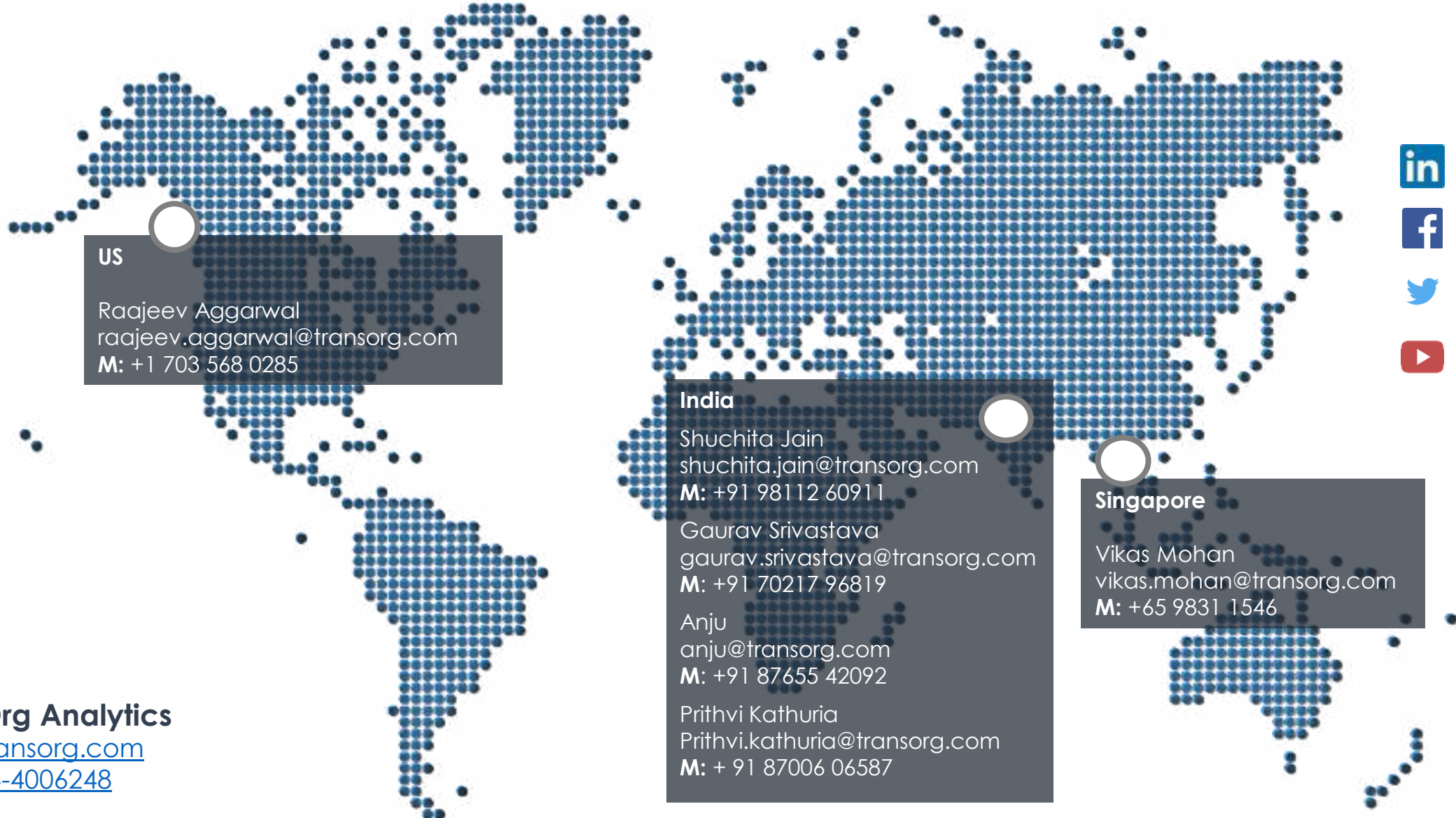
Output

- Identified non-compliant merchants corresponding to different categories i.e. casino, strip club
- For English speaking countries, model is able to classify merchants with ~25% precision and 93% recall and the event rate is ~0.32%



Contact us





We are a phone call away!



US
Rajeev Aggarwal
raajeev.aggarwal@transorg.com
M: +1 703 568 0285

India
Shuchita Jain
shuchita.jain@transorg.com
M: +91 98112 60911
Gaurav Srivastava
gaurav.srivastava@transorg.com
M: +91 70217 96819
Anju
anju@transorg.com
M: +91 87655 42092
Prithvi Kathuria
Prithvi.kathuria@transorg.com
M: + 91 87006 06587

Singapore
Vikas Mohan
vikas.mohan@transorg.com
M: +65 9831 1546

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TransOrg Analytics
www.transorg.com
[+91-124-4006248](tel:+11244006248)