

BY MELLISSA VALLE



FRAUDULENT JOB ADS DETECTION

DEC 09 2021

BUSINESS

UNDERSTANDING



- SPAMMERS

- SCAMMERS!!!

FOX 2
DETROIT

Watch Live

Indeed.com scammer steals personal info from woman with fake job posting

By Jessica Dupnack and David Komer online producer | Published July 28, 2021
| Updated 8:10PM | Crime and Public Safety | FOX 2 Detroit



TROY, Mich. (FOX 2) - A local woman thought she got a job and instead she got scammed using an online job search site.

FBI EL Paso
Special Agent Jeanette Harper
(915) 832-5355

Twitter Facebook Email

April 21, 2021

FBI Warns Cyber Criminals Are Using Fake Job Listings to Target Applicants' Personally Identifiable Information

Press release available in both [English](#) and [Spanish](#).

Scammers advertise jobs the same way legitimate employers do—

THE DATA

TARGET

5%

FRAUDULENT
866

95%

LEGITIMATE
17,014

INDEED DATASET :

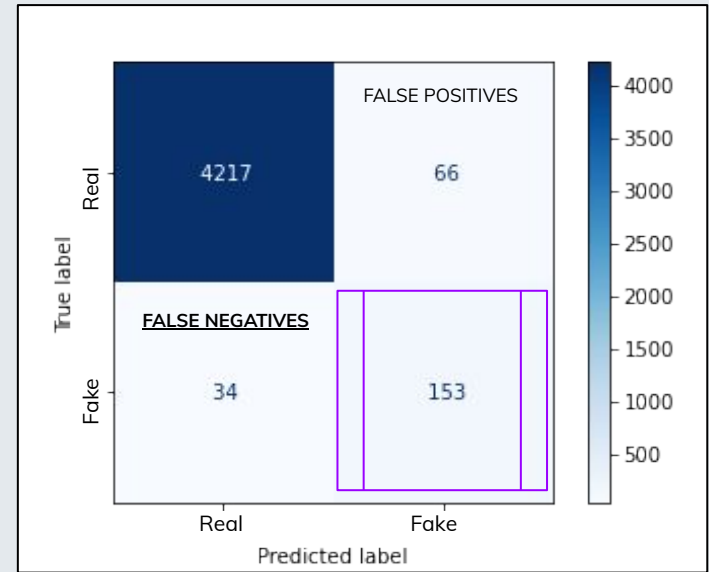
- 30002 RECORDS
- LOCATION: USA



MODEL RESULTS

- ACCURACY: 97.968%
RECALL: 81.81%

LOGISTIC REGRESSION



MODEL RESULTS INDEED DATASET

TOTAL RECORDS: 30002

- NOT FRAUDULENT **28743**

- FRAUDULENT **1259**

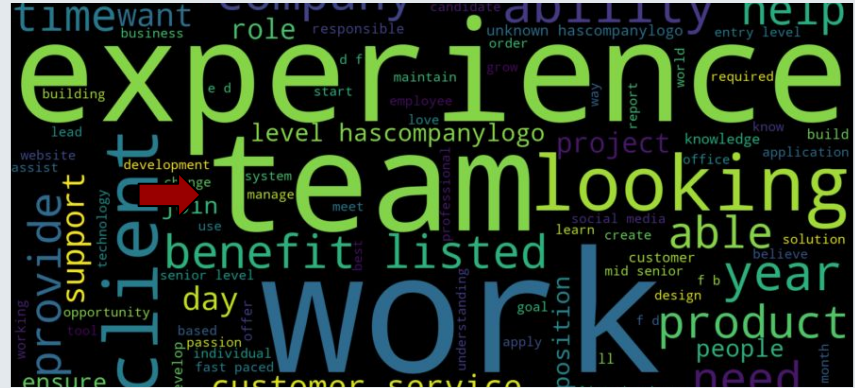


IMPORTANT FEATURES

HAS COMPANY LOGO

COMPANY PROFILE

JOB DESCRIPTION



NEXT STEPS

- Add industry and department features with SelectBox
- Test datasets from different Job Search Sites
- Add a second language Spanish



Thanks



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<https://github.com/MellissaValle/Fraudulent-Job-Postings>



<https://www.linkedin.com/in/mellissa-valle-94604819b/>