HIMANSHU LONDHE

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github.com/himanshulondhe

EDUCATION

University of Maryland, Baltimore County   *August 2019 - May 2021*
Master in Computer Science

Marathwada Mitra Mandals College of Engineering   *July 2014 - June 2018*
Savitribai Phule Pune University
Bachelor of Engineering, Computer Science.

PROJECTS

Enhanced Support Vector Machine with Speed Up and Reduced Sensitivity
Improved the Classification Accuracy of Linear Support Vector Machines by 8-13% by designing a data pre-possessing module which reduces 'scatteredness' of the data. [Python, sklearn, pandas, Matplotlib].

A Generalised Malware Detector using YARA
Designed and Developed a YARA rule to build a generalised malware detector. Rule was tested on a dataset of over 3000 malware samples and achieved an F1 score of 86.7%. [YARA, Windows API, Ghidra]

A Card Playing Artificial Intelligent Bot
Successfully developed a bot from scratch that plays a trick taking card game that uses memory heuristics, follows predefined rules and mimics the thinking of the programmer. [Python]

Attack Prediction in Networks using Machine Learning
Designed and Implemented a Network Attack Detector using Support Vector Machines in python with an accuracy of 93.96%. Network activity data-set was provided by IEEE knowledge-pit challenge [Python, sklearn, pandas, numpy, matplotlib]

TECHNICAL SKILLS

Languages	Python, C++, C, Perl, HTML, R, java
Librarires	NumPy, SKlearn, Pandas, Matplotlib
Malware Analysis	OllyDbg, Immunity Debuuger, YARA, Ghidra, IDA Pro, Packing-Unpacking
Database	MySQL, MongoDB, PL/SQL
Other	Shell Scripting, Raspberry Pi Programming, Windows API

PUBLICATIONS

Paper on Enhanced Support Vector Machine with Speed Up and Reduced Sensitivity accepted and published in International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume 6 Issue XII, Dec 2018- Available at www.ijraset.com

CERTIFICATIONS

R 101, (RP0101EN, provided by Cognitive Class) an online course on cognitiveclass.ai

Cyber Security Challenges Opportunities, Information Systems Audit and Control Association

C++, IIT Bombay (Spoken Tutorial).

JAVA, IIT Bombay (Spoken Tutorial).