

HIMANSHU LONDHE

(410)-900-3097 ◇ londhehimanshu@gmail.com
github.com/himanshulondhe

EDUCATION

University of Maryland, Baltimore County
Master in Computer Science [GPA - 3.67]

August 2019 - May 2021

Marathwada Mitra Mandals College of Engineering
Savitribai Phule Pune University
Bachelor of Engineering, Computer Science. [Overall Percentage: 69%]

July 2014 - June 2018

PROJECTS

Enhanced Support Vector Machine with Speed Up and Reduced Sensitivity *Aug 2017 - Mar 2018*
Improved the Classification Accuracy of Linear Support Vector Machines by 8-13% by designing a data pre-processing module which reduces 'scatteredness' of the data. [**Python, sklearn, pandas, Matplotlib**]

A Card Playing Artificial Intelligent Bot *Sept 2019 - Dec 2019*
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 *Oct 2019 - Dec 2019*
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**]

Android Factory Image Installer *Jan 2017 - Mar 2017*
Developed a script which automatically installs an Android Factory Image on a target device with a minimalist GUI. Script was able to achieve automation in process of installing a new image onto a Nexus device The script can be easily scaled out to other bootloader unlockable devices. [**Android, AVD, ABD, shell script, zenity**]

Fall Detection Classifier using CNN - Computer Vision *Feb 2020 - May 2020*
Implemented a Concurrent Neural Network to process and classify sequences of video streams into fall/no-fall events with an accuracy of 92-95%. [**Python, SKlearn, keras, tensorflow**]

Centralized Multi-User Concurrent Bank Account Manager *Sept 2019 - Dec 2019*
Designed and Developed a Bank Server that handles multiple clients and does so using distributed programming concepts. [**C++, sockets, mutexes, fault tolerance**]

TECHNICAL SKILLS

Languages	Python, C++, C, R, Java
Libraries	NumPy, SKlearn, Pandas, Matplotlib
Web Technologies	HTML, git
Database	MySQL, MongoDB
Other	Shell Scripting, YARA rules, Ghidra

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
AWS Developer Associate (in progress)
C++, IIT Bombay (Spoken Tutorial).
JAVA, IIT Bombay (Spoken Tutorial).

CO-CURRICULAR ACTIVITIES

MMCOE MINI-Hackathon 2K17, Winners, 4th January 2017
DEXTERITY 2K16, National Level Tech Fest (ORGANIZER)