HIMANSHU LONDHE

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EDUCATION

University of Maryland, Baltimore County *August 2019 - May 2021*
Master in Computer Science [GPA - 3.78]

Marathwada Mitra Mandals College of Engineering *July 2014 - June 2018*
Savitribai Phule Pune University
Bachelor of Engineering, Computer Science. [Overall Percentage: 69%]

WORK EXPERIENCE

Ardent Privacy: Machine Learning Engineering Intern *Aug 2020 - Oct 2020*
Developed and Implemented a Machine Learning Framework to identify the presence of sensitive data without scanning the content of file and identifying indicators for data minimization.
Successfully tested, integrated and deployed the model on Amazon EC2 web server. [**Python, sklearn**]

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 prepossessing module which reduces 'scatteredness' of the data. [**Python, sklearn, pandas, Matplotlib**]

Explainable AI for Air Quality Prediction *Sept 2020 - Dec 2020*
Designed and Developed a Classifier for calculating Air Quality Index from the weather data with 98% accuracy and using Explainable AI to explain the results of the Classification Model.[**Python , XGBoost , Regression, Multi-label Classification,**]

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**]

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
Librarires	NumPy, SKlearn, Pandas, Matplotlib, React
Web Technologies	HTML, git
Database	MySQL, MongoDB
Other	Shell Scripting,Django,Node JS, 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

C++, IIT Bombay (Spoken Tutorial).

JAVA, IIT Bombay (Spoken Tutorial).