

# NEHA NIPHADKAR



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## EDUCATION

### Master of Science in Computer Science Old Dominion University

01/2018 – 12/2019

Work Experience at ODU

- ▣ Graduate Teaching Assistant for the Department of Computer Science, with over 300+ hours of face-to-face and online recitation experience
- ▣ Graduate Research Assistant for the PiCaSSo Lab.

## CONFERENCES

Women in Machine Learning,  
Montreal, Canada  
(12/2018 – Present)

Women in Machine Learning

Computing Research  
Association for Women  
(CRA-W), Chicago IL  
(04/2019 – 04/2019)

Computing Research Association for  
Women

## INTERESTS

Running

Travel

Reading

Photography

## PROJECTS

Hidden Markov models used to identify key parameters that help detect the onset of symptoms of agitation in patients suffering from dementia of the Alzheimer's type using mobile EEG headset, Python, and JavaScript.

- ▣ Accepted Author at the Women in Machine Learning Conference, Canada

Researched and visualized the Effects of Implementation of Policy on Indian Election 2019 by carrying out sentiment analysis of twitter data using Python, Twitter API, HTML, CSS, D3js. (01/2019 – 04/2019)

- ▣ Part of Data Visualization class project.

Designed and Developed a social media web and mobile application called, "Gatherly" using LAMP, JQuery, Bootstrap, Firebase, and Android SDK. (08/2018 – 12/2018)

- ▣ Class project for Web development class.

Employee profiling and categorization to identify patterns in usage of the company's resources for Authentication and Authorization using Python and Weka. (05/2019 – 08/2018)

- ▣ Class project for Data Mining and Security.

APNS - Learning Management System with shared resources in terms of education modules and certification of completion built for the School of Nursing at Old Dominion University, in collaboration with the University of Virginia. (08/2017 – 05/2018)

- ▣ Built using HTML, CSS, PHP, and for backend used MySQL database. Used FileZilla as our main FTP.

Transitland Processing Animation was my first open source project which was modified to be used with Python 3.7 and future versions in order to maintain sustainability.

- ▣ Python and Unit testing.

## VOLUNTEER EXPERIENCE

### Summer Research Workshop

Old Dominion University

06/2019 – 08/2019

Tasks/Achievements

- ▣ Mentored a group of 25 undergraduate students from India with implementing a Repository Generation System for GitHub

### Summer Research Workshop

Old Dominion University

06/2018 – 08/2018

Tasks/Achievements

- ▣ Designed a technical workshop for a group of 27 undergraduate students from India at the Department of Computer Science with main focus on developing intervention techniques to decrease agitation.

### The Machine Learning and Data Science Workshop

Old Dominion University and VSGC

06/2018 – 06/2018

Tasks/Achievements

- ▣ Taught how to implement basic Machine Learning Algorithm in Python to High School student in Hampton Roads