

# KUMUSHINI THENNAKOON

PhD Student in computer science  
Old Dominion University, Norfolk, VA 23529



## SUMMARY

A PhD student seeking opportunities to learn and grow in the field of Computer Science. A passionate individual who loves to apply and combine Analytical Skills with technology to make things innovative. A person with good interpersonal skills who values the balance between career and extra-curricular activities while making decisions considering what is right.

## EDUCATION

### Old Dominion University, USA

PhD in Computer Science  
2023 - 2029 (Expected)

### University of Peradeniya, Sri Lanka

B.Sc. (Hons) in Statistics and Operations Research  
2017-2021 (GPA - 3.71/4.00)

## SKILLS

- **Languages** - Python, HTML, PHP
- **Version Control** - Git
- **Database** - MySQL
- **Tools** - R, Microsoft Excel Solver, Microsoft Excel, Weka

## RESEARCH AND PROJECTS

- Analyzing transportation mode interactions using agent-based models.  
**Published on SN Applied Sciences journal**  
<https://link.springer.com/article/10.1007/s42452-023-05609-z>
- Statistical analysis on quantification of landside congestion at the port of Colombo, based on GPS data” (2021)  
**Python | R Studio**
- Profit Maximization in a Roofing sheet manufacturing company” (2019)  
**Microsoft Excel Solver**

## ACHIEVEMENTS

- University award for Academic Excellence (University of Peradeniya)

## PROFESSIONAL EXPERIENCE

### Graduate Teaching Assistant

Old Dominion University | 2023 - Present

- Performing teaching assistant duties for Cryptography for Cybersecurity course.

### Temporary Lecturer

University of Peradeniya, Sri Lanka | 2022 - 2023

- Conducting lectures, practical sessions and tutorial discussions for undergraduate students

### Trainee Business Analyst

Hsenid Mobile Solutions, Sri Lanka | 2020 - 2021

- Handling front end business process with Philippine and Myanmar clients.

## CERTIFICATIONS

- **Professional Certificate Course in Data Engineering (2022)**  
Offered by Post Graduate Institute and Department of Statistics and Computer Science, University of Peradeniya.
- **R Programming (2020)**  
Offered by John Hopkins University on Coursera
- **SQL for Data Science (2020)**  
Offered by University of California, Davis on Coursera
- **Data Visualization with Python (2020)**  
Guided project offered by Coursera project network

## LEADERSHIP AND VOLUNTEERING

- Student leader in Global Student Friendship student association at Old Dominion University (2023/2024)
- Volunteer in Reign on Science 2023 conducted by Old Dominion University
- Baden Powell awarded rover scout
- Assistant secretary of the sports council of University of Peradeniya, Sri Lanka (2019)
- Captain of University of Peradeniya karate team (women -2019)