

J. Dinal Herath

CONTACT INFORMATION	Full Name: Jerome Dinal Herath Muthukumaranaage email: jherath1 AT binghamton DOT edu dinalherath.com
EDUCATION	State University of New York - Binghamton , NY, USA Ph.D., Computer Science, August 2017 - Present (GPA: 3.93/4.00) University of Colombo , Sri Lanka B.S., Computational Physics (Major), July 2017 (GPA: 3.66/4.00) Chartered Institute of Marketing(CIM) , United Kingdom Professional Postgraduate Diploma in Marketing, May 2015 St. Joseph's College , Colombo, Sri Lanka Primary education, Ordinary Levels(O/Ls), Advance Levels(A/Ls), 2011
RESEARCH INTERESTS	Real-Time Machine Learning, Adversarial Machine Learning, Privacy and Anomaly Detection
PUBLICATIONS	<ol style="list-style-type: none">1. "A Deep Learning Model for Wireless Channel Quality Prediction". By J. Dinal Herath, Anand Seetharam, Arti Ramesh. In: IEEE International Conference on Communications (ICC-2019).2. "A Markovian Model for Analyzing Opportunistic Request Routing in Wireless Cache Networks". By J. Dinal Herath and Anand Seetharam. In: IEEE Transactions in Vehicular Technology (TVT-2018).3. "Analyzing Opportunistic Request Routing in Wireless Cache Networks". By J. Dinal Herath and Anand Seetharam. In: IEEE International Conference on Communications (ICC-2018).4. "Simulation of Symmetric and Asymmetric movement gaits for Lateral Undulation in Serial Snake Robots". By J. Dinal Herath and K. Jayananda. In: 2017 International Conference on Computational Modeling & Simulation (ICCMS-2017).5. "Comparison of Serial and Parallel Snake Robots for Lateral Undulation Motion Using Gazebo". By J. Dinal Herath and K. Jayananda. In: 2016 IEEE International Conference on Information and Automation for Sustainability (ICIAfS-2016).
AWARDS AND SCHOLARSHIPS	<ul style="list-style-type: none">• Secure and Private AI scholarship Challenge Recipient by Udacity and Facebook. (2019)• Student travel grant to attend ACM/IEEE Symposium on Architectures for Networking and Communications (ANCS-2018).• NSF Student travel grant to attend IEEE International Conference on Communications (ICC-2018).• Winner of Dr. Sarath Gunapala Gold Medal for Computational Physics, University of Colombo, Sri Lanka (2017).• Recipient of MIND(Munasinghe Institute for Development) Scholarship, Sri Lanka (2015-2016).

- EXPERIENCE
- Graduate Teaching Assistant, Watson School of Engineering & Applied Science, SUNY Binghamton. (Fall-2018, Spring-2019)
 - Graduate Research Assistant, Watson School of Engineering & Applied Science, SUNY Binghamton.(Fall-2017, Spring-2018, Summer-2018, Summer-2019)
 - Temporary Lecturer, Department of Physics, University of Colombo, Sri Lanka.(2017)

- SKILLS
- Programming Skills:
- C, Java, Python, Tensorflow, PyTorch, Solidity, MATLAB,
- Modeling Skills & Platforms:
- Markovian Models, Deep Learning, Ethereum-Blockchain, Mathematical Modeling