Dulitha Jayakodige

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in www.linkedin.com/in/dulithajayakodige/

Ph.D. Candidate in Theoretical Nuclear and Particle Physics with 6+ years of research experience. Data Science enthusiast who looks for an opportunity to exploit Physics, Mathematics, and Programming skills.

PROFESSIONAL EXPERIENCE

Research Assistant   05/2019-present
Thomas Jefferson National Accelerator Facility Newport News, VA.

- Built a Pion Nucleon Scattering model using Chiral Perturbation Theory and $1/N_c$ Expansion
- Developed data cleaning, analyzing, and visualizing programs using Python and Mathematica

Research Assistant   01/2016 - 04/2019
Graduate Physics Research Center, Hampton University, Hampton,VA.

- Designed a Monte Carlo simulations for Quantum Ghost Imaging using Python and Matlab
- Built a data acquisition system using Matlab

Teaching Assistant   02/2015 - 05/2017
Hampton University, Hampton, VA and University of Colombo, Sri Lanka

- Taught and graded Introductory Physics Labs and tutorial classes
- Introduced new experiments for Labs

EDUCATION

Ph.D. in Theoretical Particle Physics   expected December 2023
Hampton University, Hampton, VA

Deep Learning Specialization   expected December 2022
Deeplearning.AI/Coursera.com

IBM Data Science Specialization   March 2022
IBM Skills Network/Coursera.com

B.Sc. in Physics,   January 2015
University Of Colombo, Colombo, Sri Lanka

SKILLS AND INTERESTS

Technical skills : Advanced in Python, Mathematica, MATLAB, and LATEX; Experienced in SQL, Java, and Linux/Windows operating systems.
Languages : Fluent in Sinhala and English
Awards : 3rd best presentation at the School of Science Research Symposium, Hampton University
Interests : Chess, photography, and hiking

PORTFOLIO   https://dulithajayakodige.github.io/