Cybersecurity School is looking for a graduate-level student to work on a generative adversarial network to develop an autonomous system. A generative Artificial Intelligence (AI) researcher to join the generative AI in the cybersecurity research team. This team is interested in advancing generative AI methods for image, video, or scientific applications (i.e., GenAI4Science). The student is expected to have a strong mathematical foundation and be capable of analyzing and developing novel models. The position will focus on fundamental AI model development and research, with the freedom and bandwidth to conduct ground-breaking research. You will work within a collaborative research team that aims to publish at the top venues in AI, deep learning, and machine learning. You will be empowered to make contributions that create real-world case studies impact.

**What you'll be doing**

- Research, design, and implement novel, large-scale Generative AI methods, and autonomous systems.
- Collaboration for publishing original research.
- Collaboration with team members, and research teams.
- Model evaluation and assessment of the performance of Generative AI models.
- Development guidelines on effective model verification for reliable model results.
- Maintaining clear and comprehensive documentation of data, results, and models.

**Required Skills**

- Being a grad student in Computer Science/Engineering, Electrical Engineering, Cybersecurity, Statistics, etc. (or equivalent experience)
- Excellent knowledge of the theory and practice of generative AI, and Generative Adversarial Networks (GAN).
- Experience in building Artificial Neural networks (ANN), and generative models for image, video, and multimodal data.
- Excellent programming skills in some prototyping environments such as Python, R, and MATLAB.
- Great interest and skills in trending AI technologies.
- Knowledge of deep learning frameworks, such as PyTorch or TensorFlow.
**Award Amount**

Each selected graduate student will receive a $7,500 stipend in the Fall semester (subject to taxes) from the program.

**Award Conditions**

Students are expected to work **20 hours per week**. Notice as per ODU policy, students employed by the university are not allowed to work more than 20 hours per week.

Tuition Waiver is not included in this offer.

If you're creative and interested in autonomous systems, we want to hear from you!