



ICICLE ANNOUNCES

CI & SOFTWARE COMPONENTS RELEASE 2023-06

The ICICLE team aims to build the next generation Cyberinfrastructure (CI) to render Artificial Intelligence (AI) more accessible to everyone and to drive its democratization further in solving larger societal problems. It is with great pleasure that we announce **2023-06 release** of ICICLE CI components.

New to ICICLE CI Catalog

AI Foundations

ICICLE Foodshed Parser v0.1

Species Classification using Multimodal Heterogeneous Context v0.1.0

Region2vec v1.0

Software Architecture and Design

Tapis Federated Authentication Service v1.3.4

ICICONSOLE v0.0.10

Tapis CL-ICICLE v0.1.4

Digital Agriculture

ICICLE Digital Agriculture Hub v1.0

Far-Edge Edge Simulator v1.0

In-Field Helper for Crop Scouts v1.0

Smart Foodsheds

Persons-Projects-Organizations-Datasets California (PPOD_CA) Knowledge Graph v23.06

Kroger Store Closure v0.1

ICICLE CI Components Changelog

Software Architecture and Design

Tapis Pods Service v1.3.2

Tapis CL-ICICLE v0.1.4

ICICONSOLE v0.0.10

Use Inspired Science

Animal Ecology - Camera-Traps Edge Simulator v0.3.1

Visual Analytics - Smart Foodsheds Visual Analytics (VA) Dashboard v0.2

The ICICLE team is committed to delivering the best software and CI components. We welcome your feedback and suggestions for future releases. Details of all ICICLE components can be found on our website under [CI & Software](#).



ICICLE
DEMOCRATIZING AI



2023 ICICLE FELLOWSHIP PROGRAM KICKOFF AT INDIANA UNIVERSITY, BLOOMINGTON

The 2023 ICICLE Educational Fellows inaugural cohort – Ashish Hingle, Brandon Alston, Chinasa T. Okolo, Collin Lucken, and Tim Elmo Feiten met with the ICICLE principals and subject matter experts at the cohort-building orientation workshop in Bloomington. The purpose of the workshop was to build a partnership network among the cohorts, establish conduits for interacting with the ICICLE institute, address any unanswered questions thus positioning them for success with their fellowship through information sharing. The Educational Fellows finalized their project topics. They will continue to work with ICICLE subject matter experts throughout the course of the nine-month fellowship followed by their presentation of results at the annual Fall ICICLE All Hands Meeting.



For more information about the ICICLE Educational Fellowship Program,
please check out the website at
<https://icicle.osu.edu/education-and-outreach/icicle-educational-fellows-program>

ICICLE TIPS ON ALLYSHIP

The Broader Impact Backbone Network team has created tips in video format
on how we, here at ICICLE, can become better allies

TO PROMOTE AN AWARE, INCLUSIVE, AND MORE DIVERSE COMMUNITY



Browse all Tips for Allyship [here](#)



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NEXTGENS COMMUNITY WELCOMES NEW COMMUNITY LEADER - SWATHI VALLABHAJOSYULA

ICICLE NextGens Community welcomes Swathi Vallabhajosyula as their new community leader. Swathi is a Graduate Research Assistant and a 5th year Ph.D. student in Computer Science and Engineering at The Ohio State University. Prior to her doctoral studies, Swathi earned a Master of Science degree in Computer Science and Engineering from The University of Minnesota, Duluth, and completed her undergraduate education in Computer Science and Engineering at Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology (VNRVJIET), affiliated with Jawaharlal Nehru Technological University Hyderabad (JNTU-Hyd). In her free time, Swathi finds joy in exploring the captivating realms of science fiction, thrilling mysteries, and engaging novels while cherishing the enchanting world created by J.K. Rowling.



During the June monthly workshop, Victoria De Bella guided NextGens participants on **how to optimize their LinkedIn profiles for maximum visibility**. The session covered essential topics, including updating profile pictures and banners, highlighting educational and work experiences with concise achievements and projects, expanding networks, and seeking/providing recommendations from peers and mentors. The workshop also addressed strategies to enhance research visibility by effectively sharing the platform's publications, journals, and posters. Victoria, recently completed her MBA in Marketing Analytics from the University of Wisconsin-Madison and will begin her full-time job as a PMM at Microsoft in a few weeks. The entire ICICLE team would like to thank Victoria for her contribution and immense support leading the NextGens Community and we wish her the very best in her future endeavors.

Any questions regarding the NextGens Student Community, please contact Swathi directly at vallabhajosyula.2@buckeyemail.osu.edu

BE ON THE LOOKOUT FOR UPCOMING EVENTS FROM THE NEXTGENS COMMUNITY!

ICICLE TIPS ON AI ETHICS

A series of short videos that situates AI Ethics in an accessible, tip-oriented manner. The series is motivated by the belief that *forethought about ethical implications can create better outcomes*.

Check out the tips listed below -

Tip #1: Remember that AI is not inevitable.

Tip #2: Recognize that our responsibility is to the positive outcomes we work towards.

Tip #3: Dimensions of Privacy

Browse all Tips for AI Ethics [here](#)



RECENT PRESENTATIONS & PUBLICATIONS

PUBLICATIONS

- Yu Gu, Xiang Deng, Yu Su, “Don't Generate, Discriminate: A Proposal for Grounding Language Models to Real-World Environments”, May 2023
- Tianshu Zhang, Changchang Liu, Wei-Han Lee, Yu Su, Huan Sun, “Federated Learning for Semantic Parsing: Task Formulation, Evaluation Setup, New Algorithms”, May 2023

PRESENTATIONS

- Mary Thomas presented “Best Practices For Building an HPC/CI Training Program for the Next Generation NSF Workforce” at the PTI Webinar, June 2023
- Sadia Khan, Beth Plale, Alfonso Morales, “Governing Ethical AI in ICICLE”, Conference on Ethical and Responsible Design in the National AI Institutes, May 2023

Click [here](#) to view all ICICLE Presentations and Publications

SUBSCRIBE TO ICICLE MAILING LISTS

The following mailing lists are available for ICICLE software and cyberinfrastructure releases, future updates and miscellaneous questions regarding installation/build problems, performance issues.

- **icicle-announce**: This is an announcement list only. If you would like to get information about future updates, software and cyberinfrastructure releases, publications, etc. related to the ICICLE project, you may subscribe to this mailing list. This list is open to public. You are welcome to subscribe to this mailing list yourself.
- **icicle-discuss**: This is a discussion list. This mailing list is meant for users to discuss all installation/build problems, performance issues, features and other miscellaneous questions related to the different software and cyberinfrastructure components of the ICICLE project. In order to post your questions and suggestions to this mailing list, you need to be a registered user of ICICLE with an organizational e-mail address and be a member of this list by subscribing to it with the same e-mail address. If you are not a registered user, please follow the procedure indicated under Download tab in the top menu to get registered.

We welcome your interest to partner with ICICLE!
Please complete this [form](#) and we'll reach out to you.



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