

BIJOYCHANDRA SINGH TAKHELLAMBAM

Maryland Agricultural Experiment Station (MAES)
College of Agriculture and Natural Resources
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EDUCATION

- Auburn University, Auburn, AL** Aug 2023
Ph.D. in Biosystem Engineering (Statistics Minor).
Dissertation | Climate Change Implications on Rainfall Erosivity and Intensity Duration Frequency (IDF) Curves over the Southeast United States.
- Indian Institute of Technology (IIT), Roorkee, India** Jun 2016
M.S. in Hydrology | (First Class with Distinction).
Thesis | Flood Discharge Estimation Only Using at-site Stage Information.
- Central Agricultural University, Imphal, India** Aug 2014
B.S. in Agricultural Engineering.

PROFESSIONAL APPOINTMENTS

- Senior Faculty Specialist** Jan 2026 – Present
Maryland Agricultural Experiment Station,
College of Agriculture and Natural Resources, University of Maryland
- Postdoctoral Research Assistant** Oct 2023 – Jan 2026
Department of Agronomy, Purdue University
Natural Resources and Environmental Science (NRES), Purdue University
- Research Associate** Aug 2017 – Nov 2018
Division of Natural Resource Management, ICAR NEH Region, Meghalaya, India.
- Junior Research Fellow** Jan 2017 – Aug 2017
Department of Civil Engineering, NIT Meghalaya, India.

PEER-REVIEWED PUBLICATIONS

- [8] [Takhellambam, B.S.](#), Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D., Molinari, R., 2023. **Artificial neural network-empowered projected future rainfall Intensity-Duration-Frequency curves**. Atmospheric Research, p.107122. <https://doi.org/10.1016/j.atmosres.2023.107122>.
- [7] Kumar, H., Srivastava, P., Lamba, J., Lena, B., Diamantopoulos, E., Ortiz, B., [Takhellambam, B.S.](#), Morata, G., Bondesan, L., 2023. **A methodology to optimize site-specific field capacity and irrigation thresholds**. Agricultural Water Management 286, 108385. <https://doi.org/10.1016/j.agwat.2023.108385>.
- [6] Zhao, W., Abhishek, A., [Takhellambam, B.S.](#), Zhang, J., Zhao, Y., Kinouchi, T., 2023. **Spatiotemporal variability of current and future sub-daily rainfall in Japan using state-of-the-art high-quality datasets**. Water Resources Research 59, e2022WR03430. <https://doi.org/10.1029/2022WR034305>.

- [5] Takhellambam, B.S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., 2023. **Projected mid-century rainfall erosivity under climate change over the southeastern United States**. *Sci. Total Environ.* 161119. <https://doi.org/10.1016/j.scitotenv.2022.161119>.
- [4] Takhellambam, B.S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., 2022. **Temporal disaggregation of hourly precipitation under changing climate over the Southeast United States**. *Sci Data* 9, 211. <https://doi.org/10.1038/s41597-022-01304-7>.
- [3] Kumar, H., Srivastava, P., Lamba, J., Diamantopoulos, E., Ortiz, B., Morata, G., Takhellambam, B.S., Bondesan, L., 2022. **Site-specific irrigation scheduling using one-layer soil hydraulic properties and inverse modeling**. *Agricultural Water Management* 273, 107877. <https://doi.org/10.1016/j.agwat.2022.107877>.
- [2] Kumar, H., Srivastava, P., Lamba, J., Ortiz, B.V., Way, T.R., Sangha, L., Takhellambam, B.S., Morata, G., Molinari, R., 2022. **Within-field variability in nutrients for site-specific agricultural management in irrigated cornfield**. *Journal of ASABE* 65, 865–880. <https://doi.org/10.13031/ja.15042>.
- [1] Kumar, H., Srivastava, P., Ortiz, B.V., Morata, G., Takhellambam, B.S., Lamba, J., Bondesan, L., 2021. **Field-scale spatial and temporal soil water variability in irrigated croplands**. *Transactions of the ASABE* 64, 1277–1294. <https://doi.org/10.13031/trans.14335>.

OTHER PUBLICATIONS

- [4] Bowling, L., and B. Takhellambam, 2024, **Environmental Field Skills Lab Manual**, Purdue University Course Materials.
- [3] Kumar, H., Srivastava, P., Lamba, J., Ortiz, B.V., Lyon, S.W., Takhellambam, B.S., Morata, G., Bondesan, L., 2023. **Integral Approach of Unsupervised Learning and Temporal Stability in Irrigation Management**, in: ASABE Paper No. 2200176. Presented at the Annual International Meeting, ASABE, St. Joseph, MI, p. 1. <https://doi.org/10.13031/aim.202301023>.
- [2] Takhellambam, B.S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., 2022. **Projected rainfall erosivity under climate change in the southeastern United States**, in: ASABE Paper No. 2200176. Presented at the Annual International Meeting, ASABE, St. Joseph, MI, p. 1. <https://doi.org/10.13031/aim.202200176>.
- [1] Takhellambam, B.S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D., 2022. **Assessment of projected change in Intensity-duration-frequency (IDF) curves for Southeastern, United States using Artificial Neural Networks.**, in: ASABE Paper No. 2200175. Presented at the Annual International Meeting, ASABE, St. Joseph, MI, p. 1. <https://doi.org/10.13031/aim.202200175>.

IN PROGRESS/UNDER REVIEW PUBLICATIONS

- [4] Bowling, L.C., Lee, C., Chiu, C.M., Jame, S., Rutkowski, S.R., Cherkauer, K.A., Takhellambam, B.S., **Agricultural Subsurface Drainage In The Variable Infiltration Capacity Land Surface Scheme**, *Global and Planetary Change* (in progress).

- [3] Takhellambam, B.S., Bowling, L., and Yang, D. **Corn and Soybean Irrigation Using Sensor-Based Soil Monitoring and Checkbook Methods Under Different Irrigation Management**, Transactions of the ASABE (in progress).
- [2] Karki, R., Takhellambam, B.S., Srivastava, P., 2026, **Performance Evaluation of Gridded Climate Data for Capturing Trends and Extremes in Temperature and Precipitation over the Mid-Atlantic Region of US**, International Journal of Climatology (Under review).
- [1] Takhellambam, B.S., Srivastava, P., Lamba, Kumar, H., Molinari, R., (2026). **A Bayesian framework for uncertainty quantification of rainfall Intensity–Duration–Frequency (IDF) curves**, Atmospheric Research (Under review).

TEACHING EXPERIENCE

- Teaching Assistant | Purdue University, West Lafayette, IN** Fall 2024
 AGRY-560: Soil Physics
- Organized and conducted field and laboratory classes (4 hours per week).
 - Mentored, proctored, and evaluated assessments for a class of 14 students (5 hours per week).
- Co-Instructor | Purdue University, West Lafayette, IN** Spring 2024 & 2025
- i) NRES-338: Environmental Field Skills.
- Co-teaching for 12 hours per week for 75 students: Laboratory and Field Experiments include Instrument Calibration, Watershed Delineation & Orienteering using Compass, Differential Leveling, Soil Moisture mapping, River Discharge, Piezometer, and Wells.
 - Revised Environmental Field Skills Lab Manual edition.
- ii) NRES-497: Senior Capstone | [in collaboration with Penn State University]
- Co-teaching for a total of 1.83 hours per week for 36 students.
 - Mentoring and guiding 7 service-learning projects.
- Teaching Assistant | Auburn University, Auburn, AL** Fall 2021
 Graduate Teaching Assistant (R Programming for Data Science)
- Evaluated, developed assignments, and tutored 28 graduate students weekly.
- Curriculum Development Assistant | Auburn University, Auburn, AL** Mar 2021
- Developed course material on Soil and Water Assessment Tool Calibration & Uncertainty Programs (SWAT-CUP) for graduate course in Watershed Modeling.

TEACHING CERTIFICATION

- Certificate of Foundations in College Teaching | Purdue University, West Lafayette, IN** Fall 2024
- Reflected on teaching values, explored evidence-based methods, engaged with peers, considered impacts on personal practice, and identified resources for ongoing growth.
- Certificate of Practice in College Teaching | Purdue University, West Lafayette, IN** Spring 2024
- Examined and addressed key challenges and opportunities in teaching, with a focus on measuring success and improvement.

RESEARCH EXPERIENCE**Senior Faculty Specialist | University of Maryland, College Park, MD**

Jan 2026 - Present

Postdoctoral Research Assistant | Purdue University, West Lafayette, IN Oct 2023 – Jan 2026

- Hydrological model development: Integrating subsurface drainage processes into the Variable Infiltration Capacity (VIC) model for poorly drained soils in the U.S. Corn Belt at field and watershed scales.
- Crop water stress assessment using Unmanned Aerial System (UAS) imagery.
- Development of irrigation management strategies for corn and soybean using in-situ soil moisture sensors.

Graduate Research Assistant | Auburn University, Auburn, AL

Jan 2019 – Aug 2023

- Developed high-temporal resolution precipitation using in-situ and NetCDF datasets.
- Developed [PrecipTDS](#), an R-package for generating future projected 15-minute rainfall for different climate models.
- Quantify projected mid-century rainfall erosivity under climate change over the Southeast United States.
- Developed artificial neural network-empowered projected future rainfall intensity-duration-frequency curves under a changing climate.
- Quantified uncertainty in rainfall intensity-duration-frequency curves using artificial neural network and bootstrapping resampling technique.
- Hydrological and water quality analysis with the Soil and Water Assessment Tool (SWAT) model.

Research Associate | ICAR NEH-Region, India

Aug 2017 – Nov 2018

- Developed Best Practice Management (BMPs) under changing climate for a small-hilly watershed area using the Watershed Erosion Prediction Project (WEPP) model.
- Conducted field and laboratory soil textural analysis for different farming systems.

Junior Research Fellow | NIT Meghalaya, India

Jan 2017 – Aug 2017

- Performed cost-effective combination of T-head groynes for riverbank protection.

Graduate Research Assistant | IIT Roorkee, India

Jul 2014 – Jun 2016

- Evaluated 1-D unsteady flow using Hydrologic Engineering Center's (CEIWR-HEC) River Analysis System (HEC-RAS) hydraulic model.
- Developed a HEC-RAS model for estimation of unsteady flow over two rivers of Chattahoochee and Godavari.
- Collected daily Weather station data.
- Measured river cross-sections and flow discharge.

Research Intern | ICAR-NAARM, India

Mar 2014 – Apr 2014

- Application of GIS in Soil and Water Conservation Engineering.

AWARDS AND HONORS

- Postdoctoral Professional Development Travel Award, Purdue University 2024
- Distinguished PhD Dissertation Award, Auburn University 2024
- Winner Graduate Research Paper Award, AABFEIO, ASABE, Omaha, NE 2023
- Travel Fellowship, Graduate Student Council, Auburn University, AL 2023
- Outstanding Research Paper Award, The Southeastern Universities Graduate Research Symposium, The University of Alabama 2023
- Auburn University's Outstanding Doctoral Student Award 2023
- Member Alpha Epsilon honorary society 2023
- Winner Graduate Research Showcase Poster competition, AU, AL 2022
- Winner Boyd-Scott Graduate Research Award, Houston, TX 2022
- Winner Graduate Research Paper Award, AABFEIO, ASABE, Houston, TX 2022
- Registration waiver for Annual International Meeting (ASABE), Houston, TX 2022
- Registration waiver for HydroML symposium, Penn State University, PA 2022
- Travel Fellowship, Graduate Student Council, Auburn University, AL 2022
- Travel Grant, NSF-Funded HydroML conference, Penn State University, PA 2022
- Travel Grant, American Geophysical Union (AGU) Fall Meeting, Virtual 2021
- Indian Council of Agricultural Research National Eligibility Test (ICAR-NET), India 2018
- Merit fellowship, Ministry of Education, India 2014-16
- Mr. Fresher, IIT Roorkee, India 2014
- Graduate Aptitude Test in Engineering (GATE), All India Rank 19, India 2014
- Second in Intensive training program on science communication, India 2013
- Merit fellowship, Northeastern Council, India 2010-14
- State Merit Scholarship, Government of Manipur, India 2010-14
- Indian Oil Merit Scholarships Scheme for secondary education, India 2008-10
- Dakshana Foundation Scholarship, IIT-JEE Coaching Program, Guwahati, India 2008
- Selected combined annual training camp for National Cadet Corps, India 2007
- National Cadet Corps-A certificate, India 2007
- Jawahar Navodaya Vidyalaya Samiti Scholarship, Ministry of Education, India 2003-10

CONFERENCE & SEMINARS (ORAL PRESENTATIONS)

- [16] Takhellambam, B. S., Bowling, C.L., Cherkauer, K.A. (Jun. 2025). **Climate-Resilient Irrigation: UAS-Based Approaches for Estimating Crop Water Requirements**. 44th Indiana Water Resources Association Symposium, Brown County State Park, Nashville, IN
- [15] Takhellambam, B. S., Bowling, C.L., Cherkauer, K.A. (Jun. 2025). **Climate-Resilient Irrigation: UAS-Based Approaches for Estimating Crop Water Requirements**. UCOWR/NIWR 2025 Annual Conference, Minneapolis, MN.
- [14] Takhellambam, B. S., Bowling, C.L., Cherkauer, K.A. (Dec. 2024). **Agricultural Subsurface Drainage In The Variable Infiltration Capacity Land Surface Scheme**. AGU annual Meeting, Washington DC.
- [13] Takhellambam, B. S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D., Molinari, R., (Jul. 2023). **Artificial Neural Network-Empowered Projected Future Rainfall Intensity-Duration-Frequency Curves Over the Southeast United States**. Annual International Meeting ASABE, Omaha, NE.

- [12] Takhellambam, B. S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D., Molinari, R., (Mar. 2023). **Artificial neural network-empowered projected future rainfall intensity-duration-frequency curves over the southeast United States**. Auburn University Student Research Symposium.
- [11] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (Sept. 2022). **Projected mid-century rainfall erosivity under climate change over the Southeastern US**. Alabama Water Resources Conference, AL.
- [10] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (Jul. 2022). **Projected rainfall erosivity under climate change in the Southeastern United States**. Annual International Meeting ASABE, Houston, TX.
- [9] Takhellambam, B. S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D. (Jul. 2022). **Assessment of projected change in Intensity-Duration-Frequency (IDF) curves for southeastern, United States using artificial neural networks**. Annual International Meeting ASABE, Houston, TX.
- [8] Takhellambam, B. S., (Jun. 2022). **Effect of climate changes on rainfall erosivity over Southeastern US**, World Environmental and Water Resources Congress, EWRI, ASCE, Atlanta, GA (selected).
- [7] Takhellambam, B. S., (Jun. 2022). **Climate change and its effect on precipitation over the Southeast United States**, Environmental & ecological engineering seminar, Auburn University, AL.
- [6] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (Mar.2022). **Temporal disaggregation of hourly precipitation under changing climate over the Southeast United States**. Southeastern Universities Graduate Research Symposium, Auburn University, AL.
- [5] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (2021). **Effect of climate change on rainfall erosivity in Southeastern, United States**. Alabama Water Resources Conference, AL.
- [4] Kumar, H., Srivastava, P., Lamba, J., Ortiz, B.V., Morata, G., Takhellambam, B. S., (2021). **Time stability in soil moisture in irrigated agricultural field**. Alabama Water Resources Conference, AL.
- [3] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (2021). **Potential changes in rainfall erosivity under climate change in the southeastern United States**. Annual International Meeting ASABE, Virtual.
- [2] Kumar, H., Srivastava, P., Ortiz, B.V., Takhellambam, B. S., Morata, G., Luca, B., Lamba, J. (2020). **Spatiotemporal soil moisture variability in corn and cotton fields with uniform irrigation during the growing season**. American Geophysical Union, Fall Meeting, Virtual.
- [1] Takhellambam, B. S., Lamba, J. (2020). **Temporal disaggregation to quarterly-hour projected precipitation over southeastern USA**. Finish in Five competition, Auburn University, AL.

CONFERENCES & SEMINARS (POSTER PRESENTATIONS)

- [17] Takhellambam, B. S., Bowling, C.L., Lee, C.I. (Dec. 2024). **Agricultural Subsurface Drainage In The Variable Infiltration Capacity Land Surface Scheme**. American Geophysical Union 2024 Annual Meeting, Washington D.C.
- [16] Takhellambam, B. S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D. (Oct. 2022). **Evaluation of projected rainfall intensity duration frequency curves over the Southeast United States under changing climate using artificial neural networks**. Graduate Engineering Research Showcase, Auburn University, AL.
- [15] Takhellambam, B. S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D. (Oct. 2022). **Quantifying the projected rainfall intensity duration frequency (IDF) curves under changing climate for the southeast United States using artificial neural networks**. Graduate Engineering Research Showcase (College of Agriculture), Auburn University, AL.
- [14] Takhellambam, B.S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (Sept. 2022). **Projected mid-century rainfall erosivity under climate change over the Southeastern US**. Alabama Water Resources Conference, AL.
- [13] Takhellambam, B. S., Srivastava, P., Lamba, J., Zhao, W., Kumar, H., Tian, D. (May. 2022). **Assessment of projected change in intensity-duration-frequency (IDF) curves for Southeastern, United States using Artificial Neural Networks**. HydroML Symposium, State College, PA.
- [12] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R. P., Kumar, H., Tian, D. (Mar.2022). **Effect of climate change on reliable projected rainfall erosivity using benchmark approach over the southeastern US**. Graduate Research Symposium, Auburn University, AL.
- [11] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R. P., Kumar, H., Tian, D. (Mar.2022). **Projected mid-century rainfall erosivity under climate change over the Southeastern US**. Southeastern Universities Graduate Research Symposium, Alabama University, AL.
- [10] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R. P., Kumar, H., Tian, D. (Mar.2022). **Projected mid-century rainfall erosivity under climate change over the Southeastern US**. Climate Resiliency Symposium, Auburn University, AL.
- [9] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R. P., Kumar, H., Tian, D. (Dec. 2021). **Potential changes in rainfall erosivity under climate change in southeastern United States**. American Geophysical Union Fall Meeting, Virtual.
- [8] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R. P., Kumar, H., Tian, D. (2021). **Temporal disaggregation of hourly projected precipitation over the Southeast United States**. Graduate Engineering Research Showcase, Auburn University, AL.
- [7] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R. P., Kumar, H., Tian, D. (2021). **Stochastic generation of sub-hourly precipitation for water resource modeling under climate change over Southeastern United States**. Graduate Engineering Research Showcase, Auburn University, AL.

- [6] Kumar, H., Srivastava, P., Lamba, J., Ortiz, B.V., Takhellambam, B. S., Way, T.R., Morata, G. (2021). **Within-field phosphorus variability and impacts on crop yield in Alabama**. Graduate Engineering Research Showcase (College of Agriculture), Auburn University, AL.
- [5] Kumar, H., Srivastava, P., Lamba, J., Ortiz, B.V., Takhellambam, B. S., Way, T.R., Morata, G. (2021). **Influence of soil phosphorus on crop yield variability across the field**. Graduate Engineering Research Showcase, Auburn University, AL.
- [4] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (2021). **Stochastic generation of 15-minute precipitation for water resource modeling under climate changeover Southeastern United States**. Alabama Water Resources Conference, AL.
- [3] Kumar, H., Srivastava, P., Lamba, J., Ortiz, B.V., Takhellambam, B. S., Way, T.R., Morata, G. (2021). **Phosphorus Variability in Delineated Irrigation Management Zones in the Crop**. Alabama Water Resources Conference, AL.
- [2] Takhellambam, B. S., Srivastava, P., Lamba, J., McGehee, R.P., Kumar, H., Tian, D., (2021). **Generation of high-temporal resolution precipitation for environmental assessment under climate change scenarios over the Southeastern United States**. ASABE Annual International Meeting, Virtual.
- [1] Takhellambam, B. S., Lamba, J. (2021). **A modified stochastic generation of high temporal resolution quarter-hour precipitation**. Auburn Research symposium, Auburn University, AL.

TECHNICAL TRAININGS & GRANT

- WRF Tutorial, Feb3-7, National Center for Atmospheric Research (Virtual) 2025
- Development of WEPP Soil erosion by USDA-ARS West Lafayette, IN 2023
- Greening Agriculture: Automating Crop Eco-Intensification For Sustainability (Gr-Aces), USDA-AFRI (Not-Funded) 2023
- Grant Writing for Beginner, Office of University Writing, Auburn University 2020
- Waterhackweek workshop, University of Washington, Virtual 2020
- 1-day workshop on Modelling Fate and transport of Soil-Water Pollutants, IIT-Roorkee 2016

PROFESSIONAL MEMBERSHIPS

- American Society of Agricultural and Biological Engineers (ASABE)
- American Geophysical Union (AGU)
- American Water Resources Association (AWRA)
- Association of Agricultural, Biological, and Food Engineers of Indian Origin (AABFEIO)
- Alabama Section of the American Water Resources Association
- American Society of Civil Engineers (ASCE)

SERVICES

- Journal Reviewer | CATENA, Frontier in Artificial Intelligence, Modeling Earth Systems and Environment, International Soil and Water Conservation Research, Geoscientific Model Development, Science of the Total Environment, Journal of Hydrology: Regional Studies,| Agricultural Systems, Computers and Electronics in Agriculture, Applied engineering in agriculture, Transactions of the ASABE, Groundwater for sustainable development, Atmosfera, MDPI, Stochastic Environmental Research and Risk Assessment, Scientific Data, HESS.
- Natural Resources & Environmental Sciences (NRES), Purdue University: mentoring and recruitment for undergraduate ambassador students, planning and conducting outreach programs.

LEADERSHIP & VOLUNTEER

- Organized a 4-H outreach event representing NRES at Purdue University 2025
- Moderator for an oral session, UCOWR/NIWR Annual Conference, Minneapolis, MN 2025
- American Geophysical Union (AGU24) OSPA Reviewer 2024
- Members at Large, AABFEIO, ASABE 2024
- Volunteer for judging Fall Undergraduate Research Expo, Purdue University, IN 2023
- Volunteer for Commencement ceremonies, Auburn University, AL 2022
- Volunteer to assist the moderator at the Alabama Water Resources Conference, AL 2022
- Volunteer for Gator-Byte (Water quality) Testing at Chewacla River, AL 2022
- Abstract Review Committee of Research: Symposium, Auburn University, AL 2022
- Review committee for Frank Sturm Memorial Fellowship, Auburn University, AL 2022-23
- Volunteer for Engineering Day, Auburn University, AL 2022-23
- Volunteer in Creek Cleanup for Parkerson Mill, Auburn University, AL 2022
- Volunteer in A Tree Planting Event, Office of Sustainability, Auburn University, AL 2022
- Senator at Graduate Senator Council, Auburn University, AL 2021- 2023
- Organized a 1-day webinar for the Guide to study abroad, Virtual 2021
- Volunteer as lawnmower cleaner (fundraising) ASABE, Auburn University, AL 2019-22
- Volunteer as manager for Annual Technical Festival, IIT Roorkee, India 2015