



**Agricultural
Research
Service**

**The University of
Texas at
Arlington**



USDA ARS Research Apprenticeship Program

The USDA ARS Research Apprenticeship Program by USDA Agricultural Research Service (ARS) and the University of Texas at Arlington (UT Arlington) invite application for participating Research Apprenticeship program during summer 2024.

The objectives of this research mentoring program are

- 1) Advancing data-driven research in climate-smart agriculture in a participating ARS research office, and
- 2) Building a pipeline for future US agriculture workforce that are data and technology savvy and broadening participation in agriculture research.

The Research Apprenticeship provides each student recipient with an initial training and 8 weeks of paid full-time internship to work with ARS researchers. They will be jointly mentored by UT Arlington faculty mentors who will provide expertise in data and modeling areas. Undergraduate and graduate students will be considered for the Apprenticeship. Research may include data-driven agriculture research areas, and we are particularly interested in research problems that utilize AI, Machine Learning and other advanced mathematics, statistics and data science tools.

In order to qualify for the program, a student must

- be a United States citizen, national, or permanent resident at the time of application. Students from underrepresented minority groups in STEM are particularly encouraged to apply;
- demonstrate interest in pursuing agriculture as a career pathway;
- be pursuing a STEM BS/MS/Ph.D. degree at UT Arlington fulltime and have a GPA of 3.0/4.0 or higher;
- have excellent skills in math, stats, computer science or engineering and are capable to perform quantitative assessment for ARS computational tasks.

Applications are accepted until March 15, 2024 or positions are filled. Application information is attached.

For further information about the Apprenticeship, prospective applicants may visit <https://www.uta.edu/academics/schools-colleges/science/departments/mathematics/research/ars-intern> or contact directly the following faculty:

Prof. Jianzhong Su (su@uta.edu), Prof. Gautam Das (gdas@cse.uta.edu)

*The program is funded by a cooperative agreement between USDA ARS and University of Texas at Arlington under USDA ARS NACA # 58-6066-2-035.