

Siddhartha Kurwadkar

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EDUCATION

Iowa State University, Ames, Iowa

Major: Computer Science

Expected Graduation May 2027

RELEVANT EXPERIENCE

Undergraduate Research Assistant

Ames, IA

February 2025 – Present

Supervisor: Dr. Ryan Richard

- Collaborating with Dr. Richard, a U.S. Department of Energy scientist and Iowa State University faculty member, on an AI/ML project involving data engineering and predictive modeling. Project plans include organizing raw data into data lakes, imputing missing values, and transforming data into structured formats for storage in a data warehouse. The structured data is used to train and refine machine learning models via a model server, with the goal of accurately predicting protein properties.

Iowa State Computer Science Ambassador

Iowa State University, Ames, IA

January 2025-Present

Advisor: Mr. Henry Crowley

- \$15/hr. Working with the ISU Computer Science department to promote the Computer Science campaign to prospective students. Reaching out to Alumni and participating in visits to encourage commitment to Iowa State.

Data Mining and Algorithms Summer Research Internship

California State University, Fullerton (CSUF), CA

May 2022 – July 2022

Advisor: Dr. Shawn X. Wang

- Worked the entire summer studying and drafting research reports on research concepts and techniques in data mining. Extensive experience in classification vs. numerical prediction, model construction, decision tree induction, the best-split point, and Data Tree Induction Algorithm
- Present findings and skills gained to faculty during the Troy Tech Fair, over 300 people! Drafted a research report showing the most widely used and effective programming languages to date.

ACTIVITIES

STEM Scholars Calculus 1 Tutor

Ames, Iowa

August 2024 – December 2024

Supervisor: Corey Welch

- Mentored and tutored Calculus 1 students. Reviewed lecture notes and practice problems. Dedicated hours to help students progress in Mathematics. \$17/hr.

Bridging Opportunities in Leadership and Diversity Resource Fair

Ames, Iowa

Augst 2024 – November 2024

Supervisor: Arnold Woods

- Carnival-themed resource fair showcasing the various resources on campus. This fair helped students of different backgrounds find a safe community in Iowa State and the resources available if needed.

COURSEWORK

Mathematics: Calculus 1 and 2, Linear Algebra, Probability and Statistics for Computer Science

Computer Science: Explorations in Computing Research, Intro to Computing Programming, Intro to College Research, Object-Oriented Programming, Introduction to Data Structure, Discrete Computational Structures.

AWARDS and OTHER RELEVANT PROFESSIONAL ACTIVITIES

- Social and Outreach Coordinator for the ISU Google Development Club 2024
- ISCORE/NCORE Scholar (Iowa State Conference on Race and Ethnicity) 2024
- Bridging Opportunities in Leadership & Diversity (BOLD) 2024
- National AP Scholar 2023
- STEM Scholars Program, 2023-present
- Iowa State University APEX (Academic Program of EXcellence) Scholar 2023
- Society for the Advancement of Hispanic/Chicanos & Native Americans in Science (SACNAS), 2023-present
- Society for Asians in Science in Engineering (SASE), 2023- Present
- Research Presentation at CSUF as part of Research Internship through Troy Tech Fair, Summer 2022
- STEMUp4Youth Certificate of Appreciation (2022)
- Certificate of Excellence for Adventures in STEM Fullerton School District (2018)
- Business, Computer Information Systems and Economic Workforce Development Division (2018)