

SNEHA SUNDAR

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Education

University of Illinois Urbana-Champaign

Bachelor of Science in Statistics & Computer Science

Sep. 2023 – May 2026

Champaign, IL

Relevant Coursework

- Data Structures and Algorithms
- Discrete Structures
- Introduction to Computer Systems
- Software Design Lab
- Data Science Discovery
- Programming Methodologies in C++
- Statistics and Probability
- Computational Linear Algebra

Experience

ACM@UIUC

Feb 2024 – Present

Web Developer

Champaign, IL

- Worked on creating a project with AWS to make it easier for recruiters to find resumes of ACM members.
- Collaborated with fellow developers to add functionalities from resume book to the ACM website.

Data Science Discovery Course

Jan 2024 – Present

Course Assistant

Champaign, IL

- Actively supported student learning through constructive engagement during lab sections and office hours.
- Playing a key role in a development team dedicated to formulating coding problems designed to enrich students' practical skills and understanding.

Independent Research

March 2022 – April 2023

Research Intern

San Jose, CA

- Modified symbolic metamodel to take inputs of heart disease & diabetes patient records and predict their prognoses.
- Conducted experiments to test the accuracy of a new machine learning model & developed new research techniques to measure the results of these experiments.
- Culminated findings in a research paper & presented findings to PHDs in the field
- Published research paper in the International Journal of High School Research

iPRoBe Lab, Michigan State University

Nov 2021 – Oct 2022

Research Intern

San Jose, CA

- Developed a machine learning model to accurately detect and analyze emotions and facial expressions in the context of dance performances.
- Worked closely with Dr. Ross to design and implement data collection strategies, ensuring the acquisition of diverse and representative datasets crucial for training and validating the machine learning model.

piMD

Jan 2021 – Dec 2021

Web Development Intern

San Jose, CA

- Developed and maintained the front-end and back-end of the insurance company's website using Django framework, ensuring a seamless and responsive user experience.
- Utilized Django templates and views to create dynamic web pages, improving the website's scalability and flexibility in adapting to changing business requirements.
- Implemented robust data models and database structures to efficiently handle and store insurance-related information, enhancing overall system performance.

Projects

Library Management System | Python

December 2023

- Developed an online library system that allowed users to browse a selection of books, create a reading profile, and save books to a reading list.
- Used Django framework to streamline the development and user experience of the website.
- Created system for users to review books across the entire platform.

Emotion Detection Program | Python, Pytorch

January 2024

- Designed a machine learning algorithm to categorize facial expressions of dance performers.
- Used algorithm to help train dancers' facial expressions.

Technical Skills

Languages: Python, Java, C/C++, HTML/CSS

Developer Tools: VS Code, Eclipse, Google Colab

Technologies/Frameworks: Pandas, Pytorch, Django, GitHub