Sneha Sundar

https://snehasund.github.io/ snehas9@illinois.edu
https://www.linkedin.com/in/sneha-sundar26 https://github.com/snehasund

Education

University of Illinois Urbana-Chamapign **May 2026**
Bachelor of Science in Statistics & Computer Science *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

Course Assistant for Data Science Discovery **Jan 2024 – Present**
University of Illinois Urbana-Champaign *Champaign, IL*

- Fostered an interactive learning environment during lab sessions by encouraging student participation and providing hands-on guidance to enhance comprehension of course material.
- Offered support during regular office hours, where I addressed individual questions, clarified concepts, and provided additional resources to aid students in their academic progress.

Research Intern at iPRoBe Lab **June 2022 – Aug 2022**
Michigan State Univeristy *Remote*

- Worked with Dr. Arun Ross to develop an emotion-recognition algorithm using PyTorch.
- Conducted data analysis on model outcomes to evaluate its precision in relation to established models.
- Performed data analysis on results of the model to test its accuracy compared to existing models.

piMD **Jan 2021 – Dec 2021**
Web Development Intern *Remote*

- 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.

Projects

Web Page & Text Summarizer| *Python, Flask* **March 2024**

- Created a Flask-based web application employing BeautifulSoup and requests libraries to scrape web pages and extract text for summarization, integrating natural language processing techniques such as tokenization and frequency analysis.
- Designed an intuitive user interface enabling users to input URLs or text, streamlining the summarization process and enhancing accessibility for a seamless user experience.

Data Visualization of World Happiness Report | *R* **Feb 2024**

- Created interactive data visualizations exploring happiness scores across different countries in the World Happiness Report.
- Leveraged R to analyze trends in global happiness and identify potential correlations between happiness scores and various socio-economic factors.

Library Management System | *Python, Django* **Jan 2024**

- 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.

Research Paper on Effectiveness of a Symbolic Metamodel **April 2023**

- 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 & and developed new research techniques to measure the results of these experiments.
- Published research paper in the International Journal of High School Research, Volume 5 - Issue 2.

Technical Skills

Languages: Python, R, Java, C/C++, HTML/CSS, JavaScript
Developer Tools: VS Code, Eclipse, Google Colab
Technologies/Frameworks: Pandas, Pytorch, Django, Flask, GitHub