Sneha Sundar

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Education

University of Illinois Urbana-Chamapign **Sep. 2023 – 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

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*
- 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.

iPRoBe Lab, Michigan State University **Nov 2021 – Oct 2022**
Research Intern *Remote*
- 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 *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

Library Management System | *Python, Django* **January 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.

Data Visualization of World Happiness Report | *R* **Feb-March 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.

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.

Technical Skills

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