Sneha Sundar

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Education

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

Experience

Arrcus, Inc **Jun 2024 – Aug 2024**
Software Engineer Intern *San Jose, CA*

- Developed a script to analyze and categorize network device log errors by protocol, incorporating multi-threading for enhanced performance.
- Identified and tracked error trends to improve troubleshooting efficiency and accuracy.
- Automated the generation of tailored email reports for effective communication with the Customer Solutions Engineering Team.
- Created a dataset for training deep learning algorithms, enabling advanced data analysis of device performance.

Data Science Discovery **Jan 2024 – Present**
Course Assistant *Champaign, IL*

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

Projects

FaceCraft: A Face Generator | *Pytorch* **June 2024**

- Developed a Generative Adversarial Network (GAN) using PyTorch to generate realistic facial images, training on the CelebA dataset to enhance model accuracy and performance.
- Utilized Matplotlib to visualize generated faces and model training progress, enabling effective evalutaion and presentation of the GAN's output quality.

PickMe: Restaurant Recommender | *React.js, Flask, Matplotlib, scikit-learn* **April 2024**

- Engineered a full-stack web application using React.js and Flask, incorporating KMeans clustering to identify top-rate restaurant based on user preferences and integrated it with the Geolocate and Google Places APIs.
- Leveraged TypeScript and MongoDB for robust data management and storage and implemented Google OAuth for secure user authentication.

Web Page & Text Summarizer | *Flask, Nltk* **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.

Coursework

- Data Structures
- Artificial Intelligence
- Database Systems
- Statistics & Probability
- Statistical Modeling
- Discrete Structures
- Computer Systems
- Data Science Discovery
- Programming Methodologies in C++
- Software Design Lab

Technical Skills

Languages: Python, R, Java, C/C++, HTML/CSS, JavaScript, TypeScript

Developer Tools: VS Code, Eclipse, Google Colab, PyCharm

Technologies/Frameworks: React.js, Pandas, Pytorch, Django, Flask, GitHub, Keras, Tensorflow, NumPy, Matplotlib