

Mallika Pallipuram

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EDUCATION

University of Illinois Urbana-Champaign

May 2025

- Bachelor of Science in Information Sciences with a minor in Psychology
- Relevant Coursework: Computing in the Digital Humanities, Data Structures and Algorithms, Discrete Structures, Perception and Sensory Processes, Reading and Writing Data

EXPERIENCE

Research Assistant

September 2022 - Present

Learning & Language Lab | Champaign, Illinois

- Collect and analyze data using ELAN software to transcribe day-long audio data for the Daylong Project in the Learning and Language Laboratory
- Use Praat to analyze natural language data for independent research project exploring the occurrence of disfluencies in spoken language
- Conduct thorough reviews and discussions with peers on scientific literature relevant to the lab

Sisterhood Chair

August 2023 - May 2024

Delta Phi Omega Sorority Incorporated | Champaign, Illinois

- Organized logistics for 8+ team-building events per semester to enhance group morale and bonding • Oversaw and managed the semesterly budget for events by collaborating with executive board members
- Raised over \$1,000 through fundraising initiatives for children's literacy and education, partnering with organizations like Asha for Education and CARE
- Designed merchandise and flyers using Adobe Illustrator for events

Graphic Design Intern

August 2023 - May 2024

The Collective Magazine | Champaign, Illinois

- Designed magazine spreads, merchandise, and promotional flyers to boost revenue and increase campus-wide event participation
- Developed proficiency in Adobe InDesign, Photoshop, and Fresco, gaining hands-on experience in the ideation, layout, and production processes involved in magazine creation

PROJECTS

Transcript Quality Assurance Project

January 2023 - May 2023

Learning & Language Lab | Champaign, Illinois

- Software used: Python, HTML, CSS, Git
- Implemented an independent project to develop a script to parse and analyze 50 + hours of day-long audio transcripts, ensuring compliance with lab transcription guidelines
- Automated the process of checking transcripts, producing uniform data to be used by research assistants
- Demonstrated ability to handle and organize large datasets to ensure accuracy and consistency in data management processes

Car Price Consumer Analysis

February 2024 - May 2024

STAT 207 | Champaign, Illinois

- Software used: Python, Google Colab, PowerPoint
- Built a logistic regression model to accurately predict a categorical response variable, revealed key insights through a comprehensive presentation and report
- Used pandas, NumPy, and scikit-learn for dataframe manipulation, data scaling, and preprocessing, visualized data using Seaborn and Matplotlib libraries
- Verified model effectiveness through train test split method, forward elimination algorithm, and plotting the ROC curve

SKILLS

- Technical Expertise: Python, C++, Java, HTML, CSS, Git, ELAN, Praat, SQL, R, Adobe Illustrator, Adobe Photoshop
- Languages: English (fluent), Hindi (proficient), Marathi (proficient), Konkani (basic)
- Other Interests: painting, hiking, crocheting