Praneetha Bhogi

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EDUCATION

University of Illinois Urbana Champaign (UIUC)   Champaign, IL | 2022-2025
B.S. Computer Science + Philosophy

- **CS:** Linear Algebra; Discrete Structures; Data Structures; Probability and Statistics for CS; Database Systems; Intro to Computer Systems; Artificial Intelligence; Intro to Algs and Models of Comp
- **Philosophy:** Philosophical Foundations of Computer Science; Minds and Machines; Advanced Symbolic Logic; Current Controversies (Ethical AI)

Stanford Summer Session   Stanford, CA | 2021
Programming Methodology

New York Times Summer Academy   New York City, NY | 2021
Writing About Youth Culture: Race, Identity, and Social Behavior

WORK EXPERIENCE

UIUC | Intro to CS I Course Assistant   Champaign, IL | Aug 2023 – present

- Assisted students in understanding fundamental programming concepts, algorithms, and data structures
- Held one-on-one tutoring sessions to help students navigate their way through coding assignments
- Developed new coding assignments and extensive test suites to properly evaluate student submissions

PROJECTS

ALLERG-EAT: RECIPE RECOMMENDER ⬀   Python, Pandas, scikit-learn, NLTK, Gensim, Pytorch

- Content-based filtering model that recommends recipes based on a user's allergy information and cravings
- Model creates vector representations (Word2Vec, implemented using a neural network made from scratch) of the ingredients and other recipe data
- Ranking of recipes is made using cosine similarity to compare the recipe's data and the user's preferences

CARBONCONSCIOUS: CARBON FOOTPRINT CALCULATOR ⬀   SQL, HTML, JS, CSS, GCP

- Web application that uses a database provided by US EPA (modeled into a relational database) to calculate a business's carbon emissions and statistics compared to other businesses
- Utilizes a custom model to create a ranking system to quantify the business's contribution compared to others
- Developed user interface to explore insights with interactive charts

PORTFOLIO SITE ⬀   HTML, JS, CSS, Figma

- Developed an interactive portfolio website from scratch using HTML, JavaScript, and CSS
- Implemented modern design and UI/UX principles to enhance user experience
- Designed the website layout and components using Figma, ensuring a cohesive visual identity
- Incorporated custom animations and interactive elements to engage visitors and showcase projects and the process of their design

SKILLS

Languages: Java, C++, Python, C, SQL, JavaScript, MongoDB, Neo4j, R
Web Development: HTML/CSS, React, Flask
Tools: Git, Docker, Makefile, LaTeX, MySQL, GCP, BigQuery, AWS, Figma