

Praneetha Bhogi

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OBJECTIVE

I am a sophomore studying computer science and philosophy with an interest in artificial intelligence and machine learning. I have an understanding of the foundations of basic ML theory, deep and shallow artificial neural networks, and Turing machines. My technical and philosophical background also fosters skills such as critical thinking, ethical reasoning, and the ability to approach problems from diverse perspectives. I am currently looking for software, data, and ML/AI engineering internships for summer 2024.

EDUCATION

University of Illinois Urbana Champaign (UIUC)

Champaign, IL | 2022-2025

B.S. COMPUTER SCIENCE + PHILOSOPHY

Coursework: Intro to CS I and II; Linear Algebra; Discrete Structures; Data Structures; Probability and Statistics for CS; Database Systems; Intro to Computer Systems; Artificial Intelligence; Philosophical Foundations of Computer Science; Minds and Machines; Advanced Symbolic Logic; Current Controversies (Ethical AI)

Stanford Summer Session

Stanford, CA | 2021

Coursework: Programming Methodology

New York Times Summer Academy

New York City, NY | 2021

Coursework: Writing About Youth Culture: Race, Identity, and Social Behavior

WORK EXPERIENCE

UIUC | INTRO TO CS I COURSE ASSISTANT

Champaign, IL | Aug 2023 – Dec 2023

- 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

RECIPE RECOMMENDER

PYTHON, PANDAS, PYTORCH, FLASK, NODE.JS, REACT.JS

- Content-based filtering model that recommends recipes based on a user's allergy information and cravings
- Model creates vector representations (Word2Vec) 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, FLASK, REACT.JS

- 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 regression model to create a ranking system to quantify the business's contribution compared to others
- Developed user interface (React.js) to explore insights with interactive charts

LOCATION-BASED RECOMMENDATION APP

JAVA

- Manages favorite places using Android Studio to simulate the mobile client and Java-based server
- Project came with framework and skeleton code; I modified the server and client code to add search functionality and a new recommended place on the map
- Handled POST requests at the server, parsing JSON data using Jackson, and sending the response in JSON
- Added new test cases, made small modifications to the user interface, and enhanced the application to augment the favorite places with accessibility information.

SKILLS

Languages: Java, C++, Python, C, SQL, JavaScript, MongoDB, Neo4j, R

Web Development: HTML/CSS, React, Flask

Technology: Git, Docker, Makefile, \LaTeX , MySQL, GCP, BigQuery, AWS