Praneetha Bhogi

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Education

University of Illinois, Urbana-Champaign **Aug 2022 – Dec 2025**
B.S. Computer Science + Philosophy | Ethics of AI Certificate *Champaign, IL*

Relevant Coursework

CS: Linear Algebra; Discrete Structures; Data Structures; Probability and Statistics for CS; Database Systems; Intro to Computer Systems; Artificial Intelligence; Algorithms and Models of Computation; User Interface Design; Text Information Systems; Game Development; Programming Languages and Compilers

Philosophy: Philosophical Foundations of Computer Science; Minds and Machines; Advanced Symbolic Logic; Current Controversies (Ethical AI); Ethics of Artificial Intelligence

Experience

Intro to CS I Course Assistant **Aug 2023 – Dec 2024**
Java *Champaign, IL*

- Assisted students 1-on-1 in understanding fundamental programming concepts, algorithms, and data structures
- Worked with the professor to develop 2 new coding assignments and extensive test suites for proper evaluation
- Helped 100+ students navigate their way through coding assignments and develop an Android Studio app with functionality such as handling POST requests, parsing JSON using Jackson, and implementing a basic interface
- **Soft Skills:** problem solving, communication, patience, adaptability, collaboration, time management

Projects

Allerg-Eat: Recipe Recommender | *Python, Pandas, scikit-learn, NLTK, Gensim, PyTorch* **May 2024**

- Developed a robust content-based filtering model that accurately recommends over 2,000 recipes based on a user's allergy information and cravings
- Optimized Word2Vec model implementation, allowing for real-time analysis of recipes and ingredient information
- Ranked recipes using cosine similarity, evaluating the alignment between the recipe's features and the user's preferences, with similarity scores ranging from 0 to 1 to ensure precise recommendations

CarbonConscious: Carbon Footprint Calculator | *SQL, HTML, JS, CSS, GCP* **Feb - May 2024**

- Developed a web application with a team of 4 using a US EPA-provided database, modeled into a relational model, to calculate and compare carbon emissions of the businesses
- Utilized a custom ranking model to quantify the business's contribution compared to 300 competing businesses
- Designed and deployed an intuitive user interface to explore insights with 2 interactive charts

Dinner Party: Tinder-Inspired Restaurant Finder | *React Native/Expo, TypeScript, JS* **Sept - Dec 2024**

- Led a team of 6 to develop a front-end focused, swiping-style web application that aims to solve choice-overload and group-consensus problems in modern restaurant-finding apps, enhancing the decision-making process
- Conducted extensive user research with 20+ participants and interview methodology to develop, review, and deploy an application that properly addresses user needs
- Created detailed mockups and translated the ideas into functional code to create an appealing and user-friendly application that streamlines the process of finding dinner spots for groups of 2+
- Enhanced functionality by integrating JSON files to dynamically render group data, sync preferences, and maintain settings using ASYNC storage for a seamless user experience across 7 screens

Portolio Website | *HTML/CSS, JS, Three.js, Figma* **May 2024 - Present**

- Developed a portfolio website from scratch using HTML/CSS, JavaScript, and Three.js to showcase 5+ personal projects
- Implemented modern design and UI/UX principles to enhance user experience across 5 webpages
- Designed the website layout and components using Figma, ensuring a cohesive visual identity and alignment with industry standards
- Incorporated custom animations and interactive elements to engage visitors and showcase the projects' design process

Technical Skills

Languages: Java, C++, Python, C, SQL, JavaScript, MongoDB, Neo4j, R, Haskell
Web Development: HTML/CSS, Three.js, Node.js, React, Flask, Django, React Native, Expo, TypeScript
Tech/Tools: Git, Docker, Android Studio, LaTeX, MySQL, GCP, BigQuery, Figma, Matlab, Unreal Engine, Blender
Libraries: Pandas, NumPy, scikit-learn, PyTorch, Gensim, NLTK
Other: User Research, Prototyping, Wireframing, Persona/Task Development, Data/Statistical Analysis, Academic Writing