

# MIHIR TRIVEDI

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## Education

### University of Wisconsin - Madison

Sep 2021 - May 2025

Bachelor of Science in Computer Science | GPA: 3.6/4.0

## Relevant Coursework

- Data Structures
- Database Management
- Operating Systems
- Discrete Math
- Machine Organization
- Digital Practices
- Computer Architecture
- Internet Technology

## Technical Skills

**Languages:** PHP, Python, Java, C/C++, R, HTML/CSS, JavaScript, SQL

**Technologies:** Git, Linux, AWS, GCP, Firebase, MySQL, VS Code, Jira, Bitbucket

**Libraries/Frameworks:** NumPy, Pandas, Matplotlib, Tkinter, PyQt5, Flask, Django, Apache, JUnit

## Experience

### Full-Stack Developer

Mar 2023 – Present

Pantry2Home

Madison, WI

- Develop the Pantry2Home ([pantry2home.com](https://pantry2home.com)) website independently that helps food insecure communities order food items for pickup/delivery from local food pantries such as St. Vincent De Paul Food Pantry.
- Create object-oriented PHP, JavaScript backend with MySQL database to implement features such as adding/removing accounts, placing orders, viewing and accepting orders, managing pantry inventory of different categories of food items, and managing staff members through website. Used Git and Webhooks for version control.
- Designed SEO Optimized HTML/CSS for better search rankings with responsive JavaScript for cross-compatibility
- Brainstorm different website features with co-founders and report bi-weekly progress of their implementation.

### Student Office Assistant

Nov 2022 – Mar 2023

CBE Dept, College of Engineering, UW Madison

Madison, WI

- Helped students and visitors to the Chemical and Biological Department by clarifying questions, providing conference information, and managing room keys.
- Processed documents, maintained inventory data in Excel, scheduled meetings, and planned faculty events.
- Assisted with office administrative tasks using Word, Outlook, and Office365.
- Assisted Communications Specialist with Donor information, and reaching out to Donors. Assisted Graduate Coordinator with setting up student welcome events.

## Projects

### Remote Procedural Calls | C, Git

May 2023

- Implemented a remote procedural call system in C that enables a remote server to track over 100 connected clients and service multiple client requests concurrently by utilizing multi-threading (pthreads).

### Radized: Radiology Digitized | PHP, JavaScript, HTML/CSS, R, MySQL, AWS, Git

Jan 2022

- Developed a PHP website with SQL DB that helps radiologists collaborate with diagnostic centers to provide interpretations of CT/MRI Scans, and X-Rays to patients online.
- Implemented user login/register, scan upload/download, commenting functionality with object-oriented PHP.
- Used R programming language to provide concise visual representations of statistics.
- Reduced time to provide diagnosis by 80% by optimizing and streamlining scan assignment to doctors.
- Managed the elastic cloud compute instances of the website on Amazon Web Services

### Flora Counselling Services | Python, PyQt5, MySQL, CSS

Apr 2020

- Created a Python desktop application with SQL Database for over 2000 students to make counselling services more accessible in over 10 schools.
- Used PyQt5, matplotlib to create a GUI that supports actions such as creating an account, editing profile, managing counsellors, scheduling appointments, and viewing usage statistics.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.