# Bijay Panta

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## Education

**University of Wisconsin- Milwaukee** — **Milwaukee, WI**
*Bachelor of Science in Computer Science*

## Relevant Coursework

- Data Structures and Algorithms
- Discrete Structure
- Intro to Software Engineering
- Computer Architecture
- Rich Internet Applications
- Systems Programming
- Programming Languages Concepts

## Experience

**raSmith** — **May 2022 – August 2023**
*Information Technology Intern* — *Brookfield, WI*

- Provided comprehensive IT support, including reimaging computers, setting up new hires, creating user accounts, and troubleshooting issues.
- Incorporated scripts using Python and PowerShell to Conducted software updates, performed routine maintenance, and executed hardware upgrades for 100+ users.
- Assisted in cloud server migration and managed distribution list migration
- Conducted software updates, performed routine maintenance, and executed hardware upgrades for 100+ users. Leveraged PowerShell for efficient remote installations.

**Surf Undergraduate Research** — **August 2023 – Present**
*Developer* — *Milwakuee, WI*

- Developing and refining 4-5 guided walking speed techniques for virtual reality using Unity3D. ● Translating ideas into functional code to control users' walking speeds effectively
- Worked with Unity and VS code to manage user's inputted data, Gather eye calibration and eye gaze data. Creating an Finite-state machine for the entire experiment.
- Collaborated with team members to run the experiment and present the experiment from UWM staff and students. Potential involvement in research documentation and presentation in the VR Conference in Seattle.

**Peer Mentoring** — **January 2024 – Present**
*Menter* — *Milwakuee, WI*

- As a Peer Mentor for Computer Science students at UWM, I guide freshmen and sophomores through their transition to university life offering advice, academic and personal support, and information on campus resources

## Projects

**TA-Scheduler-App** | *Python, Django, HTML/CSS, VS Code* — **January 2021**

- Developed a potential digital TA scheduling web application for the Computer Science department, Built with Python and Visual Studio Code, it features role-specific functionalities for Supervisors, Instructors, and TAs, ensuring efficient scheduling and communication.
- The application prioritizes data security and has undergone rigorous unit and acceptance testing to guarantee reliability.

**Weather App** | *JavaScript, VS Code* — **March 2024**

- Developed a dynamic weather forecast application utilizing JavaScript and the OpenWeather API, allowing users to obtain a 5-day weather outlook based on city name, zip code, or coordinates through an intuitive web interface
- Employed AJAX for real-time data fetching, and implemented logic for parsing JSON responses to accurately calculate and display high temperatures, cloud cover, and pressure for a concise three-day forecast, enhancing user experience with efficient error handling for invalid inputs

**Web Page Spell Checker** | *Java, Eclipse* — **October 2022**

- Implemented object-oriented programming practices such as inheritance to create different class types and databases.
- Implemented array algorithms, including mergesort, for the development of a web page spell checker. Downloading online text and checking it by our dictionary.

## Technical Skills

**Languages**: Python, Java, C, C-sharp , HTML/CSS, JavaScript, SQL, R
**Developer Tools**: VS Code, Eclipse, Unity, , React , RStudio , Gitlab
**Technologies/Frameworks**: Linux, Cygwin64, GitHub, Django