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
- Machine Learning

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*   **December 2023**

- 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