

**PROFESSIONAL SUMMARY** - **Software Engineer** with **1.5 + years** of experience in web development, AI automation, and data analysis. Proficient in system design, cloud computing, and machine learning, agile, version control, React, Node.js, AWS, and Azure

## EDUCATION

**Bachelor of Science in Computer Science**, University of Wisconsin-Milwaukee, Milwaukee, WI, *(Jan 2025)*

**Relevant Coursework:** Data Structure and Algorithms, Database, Software Engineering, Web Development, Operating Systems, Cyber Security, Unix, System Designing, Algorithm Design, Computer Architecture, Programming Language Concepts (SML, Scala).

**Overall GPA:** 3.68 / 4.0

## CERTIFICATIONS

- **Codepath Cybersecurity Fellowship:** hands-on labs in access control, network monitoring, malware detection, and incident response.
- **Google Cloud Program** – Google arcade badges, Cloud Computing, Data Engineering, DevOps, Security, API, Networking
- **Microsoft Learning Paths:** Azure AI, Cloud Computing, Python, C#, Power tools, Microsoft 365.
- **Salesforce Trailhead:** Tableau, Database Management, Scrum, Kanban, Salesforce Einstein.

## SKILLS

- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, React, PHP, Node.js, C, C++
- **Database Management and Analysis:** MySQL, SciPy, NumPy, Matplotlib, Excel, Power BI, Tableau
- **Systems and Engineering:** Operating Systems Concepts, Multithreaded/Multicore Programming, Parallel Programming

## PROJECTS

- **Neuro-Pilot:** self-driving car simulation from scratch using **JavaScript**, implementing **neural networks**, driving mechanics, sensor simulation, collision detection, and traffic dynamics, with a focus on visualization and optimization.
- **Card Crafter:** **React.js** application to generate customizable business cards, downloaded in PNG, JPG, and PDF formats
- **VFS:** Virtual file system using C to perform import, export, mkdir, ls, create, open, display, and remove.
- **Data Visualization:** Using Tableau and Python created a COVID-19 tracker, Netflix **dashboard** and Pi visualizer
- **Games:** Created **blackjack** using Unix and c, and a **trivia game** to address chronic absenteeism in Milwaukee Public Schools

## EXPERIENCE

**Web Application Developer Intern**, iDayDreamStudios *(June 2024 – Present)*

- Developed Discord bot for attendance using Node.js and Discord.js, reducing 40% of time and effort for employees.
- Created AI social media automation for small businesses using Python and Selenium, reducing their workload by 60%.
- Designed and developed responsive websites using HTML, CSS, JavaScript, and **React.js**.
- Operated within **Agile teams**, enhancing collaboration and **efficient workflow**, and developed **large-scale** projects.

**Data Analyst Research Assistant**, University of Wisconsin Milwaukee *(Jan 2024 – Present)*

- Developed Python-based software for Portable Water quality monitoring device, improving data processing speed by **20%**.
- Utilized **Raspberry Pi** and **Arduino** for **hardware** interfacing and automation, resulting in a **30% improvement** in accuracy.
- Presented research findings at **conferences**, enhancing project visibility.
- Applied **NumPy** and **SciPy** libraries for voltametric tests, peak analysis, low-pass filter, enhancing **15%** signal processing.

**Software Developer Intern**, Yashika Skill Development Ltd. *(Jan 2022 – July 2023)*

- Led Agile software development, using **Python** automation to reduce data processing time by **30%**.
- Strengthened application **security** by fixing critical **authentication** vulnerabilities.
- Designed and developed the "PG LIFE" website using HTML, CSS, JavaScript, PHP, and SQL.
- Conducted thorough **testing and quality** assurance to ensure reliability and functionality.

## LEADERSHIP AND EXTRA CURRICULARS

**Rewriting The Code** *(Jan 2024 – Present)*

- Led initiatives to promote gender diversity in STEM fields through targeted outreach and community engagement.

**Society of Women Engineers** *(Sept 2023 – Present)*

- Organized tech summits, **workshops**, major events, event logistics and coordinating technical speaker sessions.

**Google Development Student Club** *(Sept 2022 – July 2023)*

- Led a 4-member team during a **36-hour hackathon**, developed a blogging website using HTML, CSS, and JavaScript.

## ACCOMPLISHMENTS & HONORS

- Contributor for Winter of Blockchain
- Dean's list 2024
- Coding Challenge Winner, **Rockwell Automation Engineer's Week** Challenge, 2024
- Rural Education Volunteer, Suhasini JECRC, 2021 - 2023
- 36-hour Hackathon Participant, Rajasthan Technical University Hackathon, 2022