Suvanga Dhakal

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Skills

- C# | .NET | Java | JavaScript | TypeScript | C++ | C | Python | SQL | Node | Express | React | Vue | Redux | MongoDB | Supabase | Git
- Azure | Cloud Computing | AWS | CI/CD | Unit Testing | Lambda | OOP | Unity 2D | Game Development
- Microservices | Frontend | Backend | Full-Stack | MATLAB | AutoCAD | Figma | Sketch | Canva | Adobe Creative Cloud | Microsoft Suite |

Experience

IT Technician — **University of Toledo** — *Toledo, OH, USA* — **01/2022 - Current**

- Resolve hardware and software issues for 500+ students and faculty with 95% issue resolution rate
- Collaborate with Engineers to ensure continuous operations of the tech system, reducing downtime by 30%
- Update emerging technologies and implement best practices, enabling a 20% enhancement of IT support
- Manage emergency IT tickets for Hospital (EPIC)with problem resolutions reducing response time by 40%

Software Engineer Intern — **Whirlpool** — *Marion, OH, USA* — **05/2024 - 09/2024**

- Led the design and development of multiple enterprise-level **AppScript notification system** to automatically alert supervisors via Gmail upon completion of a time study
- Automated data handling by developing a script that dynamically updated files with the latest time study results, replacing outdated data and increasing data accuracy by 65%
- Debugged and streamlined new scripts to identify jobs using job identifier numbers, enhancing page functionality to be 3x more dynamic and reducing errors by generalizing consistent terminology
- Created a **data history page** to track and analyze idle times from time sheets, helping to identify and calculate hidden labor losses and to track the improvements in timing sheet
- Presented the final automation project to the plant lead, earning recognition for its innovative approach, adoption as a best practice across branches, and **acknowledgment from the CEO**

Software Engineer Intern — **Whirlpool** — *Marion, OH, USA* — **12/2022 - 05/2023**

- Implemented a login form using AppScript, achieving a **23x size reduction, 9x performance boost**
- *Reported directly to Quality Control Head:* Engineering lead for addressing the quality issues in manufacturing assembly
- Developed Part number and Fixture location finder site using JavaScript, achieving **30% decrease in search time**
- Collaborated with cross-functional teams to achieve 10% decrease in costs for different kaizen execution
- Optimized fixture weight, resulting in cost savings of over $35,000 with a cost avoidance of 67.31%

Education

Bachelor of Science — **University of Toledo** — *Toledo, OH, USA* — **08/2021 - Current**

- Major in Computer Engineering

Projects

- **DEEPCLS:** Developing a deep learning-based video classification system for cancer cell identification, integrating Large Language Models (LLMs) to generate interpretable reasoning behind model predictions**(07/2025)**
- **SILBELLS:** Implemented an IOT enabled assistive alert system with CO sensors integrating Arduino, express, Supabase, and swift IOS to deliver real time Vibration and light notifications**(03/2025)**
- **REISENS:** Built a travel-focused MERN stack platform for booking packages, managing gear, and finding tour partners, with React, Redux, Express, Node.js, and MongoDB**(03/2024)**
- **SNALAD:** Created a snake game for VisionOS using Swift, Xcode, and Unity, demonstrating game development, programming, UI/UX design, and platform integration skills **(02/2024)**
- **LIBRARY:** Composed a full-stack MERN book store platform with CRUD operations, router configuration, and MongoDB integration, for seamless user experience and data management **(02/2024)**
- **LOGGER:** Optimized a sign in form using AppScript, reducing file size by 23x and boosting performance by 90%, cutting runtime from 10 minutes to 23 seconds **(01/2023)**

Achievments

- **President:** Nepali Student Organization (200+ members) directed initiatives and managed operations **(08/2023 - 08/2024)**
- **Vice-President:** Cybersecurity Club | career advice | | programming workshop | team Lead, **Cyber-Force** Competition,Chicago
- **EBEID Academic Scholarship($4,000):** Recognized for academic excellence and leadership potential
- **International Rocket Scholarship($8,500):**Recognized for exceptional managerial abilities and excellence in school