

Suvanga Dhakal

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EDUCATION

The University of Toledo | Toledo, OH
Bachelor of Science in **Computer Science and Engineering**

Anticipated Graduation: May 2026
CGPA 3.25

WORK EXPERIENCE

IT Technician, The University of Toledo | Toledo OH *September 2022-Present*

- Troubleshoot hardware and software issues reported by the students and the faculty
- Implement working knowledge of university main campus and Hospital computer systems
- Provide IT help desk support including laptop screen replacements and software installations
- Collaborate effectively with Infrastructure Engineers to ensure the smooth operation of technical systems

Software Engineering Intern (QC), Whirlpool Cooperation | Marion OH *January 2023- June 2023*

- Developed a Part Number Finder tool and Fixture Location Finder tool using JavaScript.
- Implemented a Layout Update Form to address part measurement issues using CMM technology.
- Optimizing fixture weight, resulting in cost savings of over \$35,000 with a cost avoidance ratio of 67.31
- Served as Whirlpool's representative at the Science Fair hosted by Ohio State University

Student Worker Chartwells, The University of Toledo | Toledo OH *August 2021 - March 2022*

- Worked as register to welcome over 200 plus students daily
- Collaborated with six or more people in a group to clean and help with closing duties
- Mentored new student employees and oversee large-scale food production

TECHNICAL PROJECTS

Part Login Sheet, Whirlpool Cooperation Part Login Sheet *January 2023- June 2023*

- Engineered a JavaScript-based login sheet achieving a 23x size reduction and 9x performance boost, optimizing the storage of product quality checks during production cycles
- Optimized search functionality by transforming the runtime from 10 minutes to a mere 23 seconds, significantly improving efficiency and user experience

Basic Banking Systems, Object Oriented Programming in java *January 2022- May 2022*

- Leveraged Java to architect a multifaceted project incorporating diverse classes and abstract methods, facilitating an in-depth exploration of polymorphism, inheritance, encapsulation, and abstraction principles.
- Engineered a user-centric system allowing seamless storage, verification, addition, and loan management of funds within individualized accounts, enhancing user control and financial transactions.

Debit And Credit Card Check, CS50 *August 2021- December 2021*

- Completed the CS50 course, an accredited program affiliated with Harvard College. Utilized skills acquired from this course to implement a credit and debit card validation system.
- Developed algorithms to determine the legitimacy of cards, classifying them into Visa or Mastercard categories based on established criteria.

TECHNICAL SKILLS

Programming Languages

- Java
- Python
- C++
- C#
- C

Web Development

- HTML
- JavaScript
- CSS
- React

Software

- MATLAB
- Microsoft Office Suite
- Microsoft Office Suite

Database

- SQL
- Oracle

COLLEGIATE ACTIVITIES

- **President- NSO-UT** *August 2023- Present*
- **Secretary- Cybersecurity Club** *August 2023- Present*
- **Secretary- JSA-UT** *August 2022- August 2023*