

YUJAW MANANDHAR

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PROFESSIONAL SUMMARY

Enthusiastic Computer Engineering student with hands-on experience in web development, graphics design, and hardware programming. Passionate about building user-centered digital products and gaining practical experience through real-world projects and collaboration.

EDUCATION

Wright State University | Bachelor of Science in Computer Engineering Dayton, OH | **Jan 2025 – Present**

- Cumulative **GPA: 4.0/4.0**

SKILLS

Proficient: JavaScript, React.js, Git, Linux

Intermediate: C, Node.js, Express.js, Photoshop, Illustrator

Familiar: Python, Java, SQL, Figma, Vim

PROJECTS

E-Commerce Web Application

<https://github.com/yujaw/gfive>

- Developed a responsive e-commerce website using MERN stack with secure authentication
- Integrated backend functionality using Express.js
- Deployed to GitHub Pages
- Technologies: MongoDB, Express.js, React.js, Node.js, Git

2.5D Ray Casting Engine

<https://github.com/yujaw/raycastC>

- Built a basic 2.5D ray-casting engine inspired by early 90s games like *Wolfenstein 3D*, simulating a 3D environment using 2D calculations.
- Handled wall rendering, player movement, and collision detection from scratch using low-level C programming.
- Technologies: C, OpenGL, Git

INVOLVEMENTS

Participant, Hackathon, Wright State University (2025): Collaborated on a team project to develop a web application in 24 hours.

First Runner-Up, Intra-School Basketball Tournament (2023): Demonstrated teamwork and leadership on the court.

Member, Nepal Scouts (2017 – 2019): Participated in volunteer projects, camps, and basic survival skill workshops.