

# Yousef Mheisen

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## Education

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Henry Ford College - Associate in Computer Science December 2024

Eastern Michigan University - Bachelor in Computer Information Systems April 2026

## Technical Skills

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- **Programming:** C, Java, Python, HTML/CSS, JavaScript, C#, PHP
- **Database Management:** MySQL
- **Tools:** Microsoft Office, Git, GitHub, Docker, Spring Boot, phpMyAdmin, Unix

## Projects

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### Personal Portfolio Website

- Designed and developed a personal portfolio website to showcase projects, experience, and technical skills using HTML, CSS, and JavaScript.
- Built a responsive and visually appealing UI, ensuring a seamless user experience across desktop and mobile devices.
- Deployed the website on Netlify, demonstrating proficiency in web hosting, version control, and deployment workflows.
- Implemented an interactive navigation system, allowing visitors to explore sections such as Experience, Projects, and Contact with ease.
- Continuously updating and refining the website to reflect new projects, experiences, and technical advancements.
- Personal Portfolio: [yousefmheisen.netlify.app](https://yousefmheisen.netlify.app)

### ELEGOO Smart Robot Kit

- Designed and assembled an autonomous robotic car using the ELEGOO Smart Robot Kit, integrating sensors, motors, and controllers.
- Programmed Motion and Obstacle Avoidance using Arduino and C++, implementing ultrasonic and infrared sensors for real-time environmental awareness.
- Implemented Line Tracking and Object Detection using IR and ultrasonic sensors to enable autonomous navigation.
- Optimized Bluetooth and Infrared Remote-Control functionalities, improving responsiveness and real-time user interaction.
- Integrated PWM Motor Control Algorithms to fine-tune speed and directional accuracy, enhancing smooth motion.
- Debugged and Troubleshot Electrical and Software Issues, ensuring stable operation and reliable automation.

### Snake Game

- Developed a fully functional Snake game in Python using the Turtle module for graphics and animation.
- Designed and implemented game mechanics, including movement, food spawning, collision detection, and scoring.
- Created an interactive user experience by integrating keyboard controls and real-time game updates with Turtle graphics.
- Implemented a game-over condition that resets the game upon collision, providing a seamless player experience.
- Documented and shared the project on GitHub, showcasing proficiency in version control and code documentation.

### Team-Based Website Development with Admin Dashboard

- Developed a responsive web application for a client using HTML, CSS, JavaScript, and phpMyAdmin, ensuring seamless user experience and efficient database management.
- Designed and implemented an intuitive admin dashboard, enabling easy content management and user control.
- Collaborated with a development team, leveraging Git for version control to maintain code consistency, track changes, and streamline teamwork to deliver a fully functional website.

