

# Rayvin Amador

Portfolio Website | [rayvinamador.com](http://rayvinamador.com)  
(931)-349-1070 | rayvincamador@gmail.com

## EDUCATION

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### Tennessee Tech University

*Bachelor of Science in Computer Science*

Cookeville, TN

May 2023

### Relevant Coursework

Software Engineering 1 (Agile/Team of 6), Software Engineering 2 (Agile/Team of 6), Database Management Systems, Web Programming, Operating System, Computer Architecture, Software & Systems Security

## TECHNICAL SKILLS

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**Frontend:** React, NextJS, Tailwind, Bootstrap, HTML5, Vanilla CSS, SCSS, jQuery

**Backend:** Javascript, Node, Express, Authentication, Security, CRUD/REST APIs, MongoDB, Mongoose, NoSQL, SQL

**Other:** Git, Github, Agile/Scrum, C, C++, Java, Python, Netlify, Heroku

## WORK EXPERIENCE

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### Freelance Full Stack Developer

*Kids Kare Pediatrics & Pediatric Cardiology*

Cookeville, TN

Dec. 2022 - Present

- Developed a website for a pediatric clinic, implementing custom designs with vanilla CSS to create a visually appealing and user-friendly interface. Created functionalities such as appointment scheduling, information forms, and news updates to improve accessibility and convenience for families seeking healthcare services.
- Utilized React components and Next.js server-side rendering to optimize performance and provide a seamless experience for users.

## PROJECTS

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### E-Commerce Website Design | *React, NextJS, MongoDB*

- Custom designed an ecommerce website using vanilla CSS and SCSS, incorporating server-side rendering, hooks, state management, and various React functions including useEffect, useContext, and useReducer. Utilized MongoDB for image storage and Netlify for hosting demo.

### VS Code Chatbot Debugger | *Team of 6, Agile, StackExchange API, Node, Express*

- Developed a VS Code extension which automatically parses errors from the terminal and uses the StackExchange API, Node, and Express to search for a solution utilizing socket.io for real-time communication.
- Chatbot responses generated with Natural Language Processing. Hosted on Heroku and managed project using Gitlab/Trello in an agile environment, attending daily standup and team meetings.

### Smart Chicken Coop | *Team of 3, Web App, CRUD, HTML, CSS, Javascript, Bootstrap, IoT*

- Collaborated on a team project using HTML, CSS, JS, jQuery, and Bootstrap to create a user account system and dashboard for customizable chicken coop settings, including automatic light, heater, and fan control. Implemented Chart.js for temperature and humidity data visualization.

### Course Explorer | *Team of 2, HTML, CSS, Javascript, jQuery, API*

- Utilized HTML, CSS, Javascript, jQuery, and Bootstrap to create a tool that allows users to filter and search for specific courses at Tennessee Tech using an API. Allows users to view busy days and times on campus or for specific rooms, and estimate parking space availability.

### Mastermind Strategy Game | *Java*

- Classic code-breaking Mastermind Strategy Game developed in Java using object-oriented programming principles including abstraction, polymorphism, inheritance, and encapsulation.
- Players attempt to guess a randomly generated 4-position color code out of 7 possible colors through 8 or fewer guesses, receiving feedback to improve their chances.