

# Mamudu Massalay

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## Professional Summary

Full-Stack Web Developer & AI Enthusiast with 4+ years of experience building modern, scalable, and AI-powered web solutions. Founder of Julia Tech, a React + Vite-based web design agency with a Python-powered AI agent that operates 24/7. Currently pursuing an A.A.S. in Artificial Intelligence, with hands-on experience in WordPress custom block development, React component architecture, and Python AI automation. Proven track record of delivering offline-first apps, chat systems, and AI-driven tools that solve real-world problems.

## Core Skills

Frontend Development: HTML5, CSS3 (Grid, Flexbox, Variables), JavaScript (ES6+), React, Vue  
AI & Automation: Python for AI workflows, OpenAI API, automation scripting, vector search  
WordPress Development: Custom blocks, CPTs, full-site editing, theme.json, plugin customization  
Full-Stack Development: React + Vite, Node.js, REST API integrations  
Styling & Architecture: BEM, Utility-First CSS, SCSS/Sass, CSS-in-JS  
Testing & Tooling: Vite, Webpack, Jest  
Performance & Accessibility: Core Web Vitals, WCAG 2.1 AA, cross-browser compatibility  
Collaboration: Git/GitHub workflow, Agile, clear technical documentation

## Professional Experience

### Founder & Lead Developer – Julia Tech (2020 – Present)

- Built Julia Tech's platform using React + Vite, ensuring fast performance and mobile-first UI.
- Developed and deployed a Python-powered AI agent available 24/7 to handle client interactions and automate workflows.
- Designed and implemented custom WordPress blocks and theme.json workflows for scalable content management.
- Built offline booking systems to support businesses in low-connectivity regions.
- Created a student study assistant web app with reminders, note-taking, and learning tools.
- Developed AI-powered chat system with React front-end and Python back-end.
- Automated internal processes using Python, reducing manual work by 40%.
- Optimized projects for performance (Core Web Vitals) and accessibility (WCAG 2.1 AA).

### Web Developer – Freelance Agency Work (2019 – 2020)

- Delivered custom WordPress themes, plugins, and component libraries for SMB clients.
- Ensured responsive layouts, cross-browser compatibility, and accessibility compliance.
- Collaborated with remote teams using Git workflow and documented development processes.

## Education & Certifications

### A.A.S. in Artificial Intelligence (In Progress) — 2025

Hennepin Technical College — Coursework: Machine Learning Fundamentals, Python Programming, Data Structures, Web Development

### Certifications:

- DeepLearning.AI: AI Python for Beginners
- DeepLearning.AI: ChatGPT Prompt Engineering for Developers

- DeepLearning.AI: Generative AI with LLMs
- AWS Certified – Amazon Web Services
- CS50x: Introduction to Computer Science – Harvard University (Expected Dec 2025)

## **Portfolio & Projects**

- GitHub: <https://github.com/codehub34> (AI Agent, WP Blocks, React Components)
- <https://jula-tech.com/> Platform – React + Vite website with 24/7 Python-powered AI agent
- LiberiaBizConnect.com – Business directory web app with custom WordPress blocks
- Offline Booking System – Progressive web app supporting offline appointment booking
- AI Chat System – Real-time chat system powered by Python + React
- Student Study Assistant – Interactive learning platform with productivity tools