

Building a PC component sales website for GTG store integrated with an AI Chatbot for consultation on building, upgrading, and repairing computers.

Ngô Đức Huy

Abstract: The thesis focuses on building a specialized e-commerce platform for the computer hardware sector. The core feature is the integration of an intelligent AI Chatbot capable of checking compatibility between components (CPU, Motherboard, RAM, PSU...) and providing an optimal upgrade path based on the user's budget. The system helps simplify the process of selecting a computer configuration for non-expert users.

Keywords: PC parts sales website, AI Chatbot, Compatibility Check

References

- [1] MSI Global, "EZ PC BUILDER: AI-Powered PC Part List & Compatibility Assistant," 2026. [Online]. Available: <https://www.msi.com/>
- [2] ReactJS Community, "React Documentation - Building Interactive User Interfaces with Hooks," 2025. [Online]. Available: <https://react.dev/>
- [3] Baymard Institute, "E-commerce Checkout UX: 10 Critical Design Patterns," 2025.
- [4] AMD, "AMD Socket AM5 Chipset and Ryzen™ 9000 Series Roadmap," 2026. [Online]. Available: <https://www.amd.com/>