

Review 1

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Review

The paper presents a study on Neural Architecture Search (NAS) methods, with a specific focus on the integration of hardware-related constraints such as latency, power consumption, and memory usage.

Overall, the work is very well done: it is well-structured, organized, and well-referenced. The author demonstrates strong knowledge of the subject and appears comfortable writing about it.

Some points to review:

- Reduce to 2 pages to comply with EU specifications (currently 4 pages and lacking a conclusion).
- Some references could be better explained. For example: “We also hope to highlight the contributions and constraints of hardware-aware NAS approaches by comparing our results with those of reference works such as [5] and [7].” Readers may not consult the references, so a brief summary or explanation of each cited work would improve clarity.

The work does not appear to be entirely generated by AI; AI detection tools (ZeroGPT, GPTZero, Quillbot) estimated 12–13% AI influence. While AI can assist in writing, it may be preferable to keep this under 10% if AI is used.

Finally, the work is very well executed, and the author is congratulated for their effort.

Reviewer's confidence

3: Yes, I have the necessary background to understand and review this study.

Usage of LLM

2: Yes, a bit.

Confidential remarks for the program committee

(None provided)