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ABSTRACT

Background:

Objective:

Method:

Results:

CCS CONCEPTS

• **Social and professional topics** → **Computing education**; •
Computing methodologies → **Artificial intelligence**.

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1 INTRODUCTION

In Jordan et al. [1], they found that among the languages under their consideration, English, Spanish, Vietnamese, and Tamil, the worst performing language was Tamil, generating incorrect solutions and non-sensible translations. Though the authors did not systematically investigate the nature of the poor performance or methods of improvement, they did note several possible reasons:

- (1)
- (2) Compared to English and Spanish it was likely a lower resourced language in the training data.

The first of these two possibilities is, perhaps, the most interesting. In Tamil, there are two core dialects which differ significantly: literary Tamil (sen-Tamil) and colloquial (kodun-Tamil) []. Additionally, given Tamil is spoken not just in and around Tamil Nadu, but also in Sri Lanka, Malaysia, and Singapore, there are a number of regional dialects [].

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2 BACKGROUND

3 METHODS

4 RESULTS

5 DISCUSSION

6 LIMITATIONS

7 CONCLUSION

REFERENCES

- [1] Mollie Jordan, Kevin Ly, and Adalbert Gerald Soosai Raj. 2024. Need a Programming Exercise Generated in Your Native Language? ChatGPT's Got Your Back: Automatic Generation of Non-English Programming Exercises Using OpenAI GPT-3.5. In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 1*. 618–624.