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Friedrich-Alexander-Universität Erlangen-Nürnberg  
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# **Declaration Of Originality**

I confirm that the submitted thesis is original work and was written by me without further assistance. Appropriate credit has been given where reference has been made to the work of others. The thesis was not examined before, nor has it been published. The submitted electronic version of the thesis matches the printed version.

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Erlangen, submission date

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# **Abstract**

Jayvee is a domain-specific language (**DSL**) designed for defining and executing data pipelines. With ‘**DSLs**’ you can print the plural of an abbreviation.



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# 1 Introduction

## 1 Introduction

## 2 Literature Review

You can cite like this: [Shi+25].

## 2 Literature Review

# 3 Requirements

### 3 Requirements

# 4 Architecture

This is a chapter example.

## 4.1 Jayvee Template Generation

With ‘==’ you can add a section within a chapter.

The following Figure 1 shows the component diagram that visualizes this architecture:

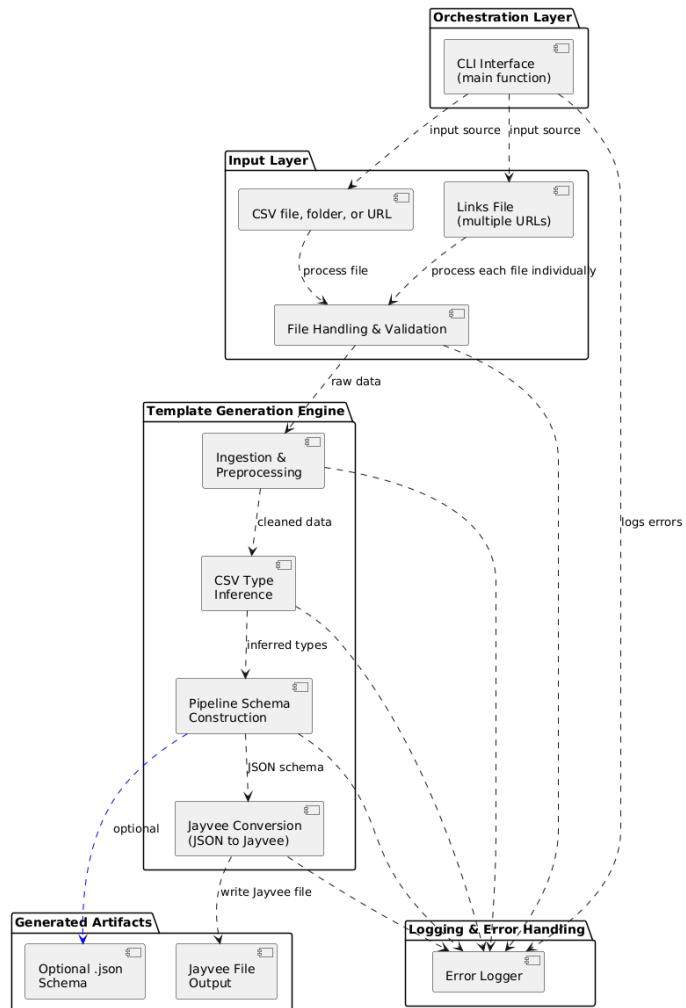


Figure 1: Architecture Component Diagram - Jayvee Template Generation

## 5 Implementation

## 5 Design and Implementation

# 6 Evaluation



# 7 Conclusions



## 8 Future Work



# Bibliography

- [Shi+25] J. Shin, C. Tang, T. Mohati, M. Nayebi, S. Wang, and H. Hemmati, “Prompt engineering or fine-tuning: An empirical assessment of LLMs for code,” *arXiv*, 2025, [Online]. Available: <https://arxiv.org/abs/2310.10508>



# Acronyms

**DSL** domain-specific language



# **Bill Of Materials**

Add your used libraries etc. here.