{

"openai\_api\_key": "YOUR\_OPENAI\_API\_KEY",

"riscv\_toolchain\_path": "/home/user/projects/riscv/install/rv32i",

"install\_dir": "/home/user/projects/riscv/riscv-toolchain-install-guide",

"sample\_dir": "/home/user/riscv\_pipeline\_manager/samples",

"prompts": {

"pipeline\_generation": "Generate a RISC-V 32-bit pipeline C program implementing a 5-stage pipeline (Fetch, Decode, Execute, Memory, Write-back). Include support for ADD, SUB, LOAD, STORE, and BRANCH instructions. Ensure the code is well-commented, modular, and includes basic hazard detection and forwarding mechanisms.",

"command\_interpreter": "You are an assistant that converts natural language commands into safe, executable system commands specifically for managing RISC-V pipelines. Ensure all commands are validated and safe to execute.",

"feedback\_analysis": "Analyze the following simulation data and provide insights on pipeline performance and potential improvements.",

"code\_improvement": "Based on the analysis provided, improve the code to optimize pipeline performance, reduce hazards, and enhance overall efficiency."

}

}

I replaced the tilde (~) with the absolute path (/home/user/) to fix the issue. Make sure to replace "/home/user/" with your actual user directory.