

TP 1

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Computer Description

Here are the specifications of the computer I'm using:

- Firmware: Asus ZenBook 14X
- OS: Arch Linux x86_64
- Kernel: Linux 6.10.8-arch1-1
- Display: 2880x1800 @ 120 Hz (as 1440x900) in 14.5"
- WM: Hyprland (Wayland)
- Terminal: kitty 0.36.2
- CPU: 13th Gen Intel(R) Core(TM) i7-13700H
- GPU: Iris Xe Graphics
- GPU Driver: i915
- Storage: 512GB SSD
- RAM: 16GB DDR4
- IO Ports: 2x USB-C, 1x USB-A, 1x HDMI port, 1x 3.5mm audio jack

Program versions

To get the versions of some programs, I wrote a script (`get-versions.sh`) to get all the versions at once. Here are the versions: (See video for the output)

- Git version: `git version 2.47.0`
- Java version: `openjdk version "22.0.2" 2024-07-16 OpenJDK Runtime Environment (build 22.0.2+9) OpenJDK 64-Bit Server VM (build 22.0.2+9, mixed mode, sharing)`
- Maven version: `Apache Maven 3.9.9 (8e8579a9e76f7d015ee5ec7bfc9d260186937)`
Maven home: `/usr/share/java/maven` Java version: `22.0.2`, vendor: Arch Linux,
runtime: `/usr/lib/jvm/java-22-openjdk` Default locale: `en_US`, platform encoding:
UTF-8 OS name: "linux", version: "6.11.2-arch1-1", arch: "amd64", family:
"unix"
- Make version: `GNU Make 4.4.1 Built for x86_64-pc-linux-gnu Copyright (C) 1988-2023 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later https://gnu.org/licenses/gpl.html This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.`
- Python version: `Python 3.12.6`
- Docker version: `Docker version 27.3.1, build ce1223035a`

Ollama

For the steps 4, 5, and 6, the commands I used are the same as in the shell script (`ask_pdf.sh`), so I'll only show the demonstration of the script in the video. I ran the script on the file `CV - English.pdf` which is my CV in English, and I asked the question "What does this file contain?". Here's the output of the script:

```
$ ./ask_pdf.sh CV\ -\ English.pdf "What does this file contain?"
```

This PDF file appears to contain a resume or CV for Omar All ouch , highlighting his education , professional experience , and skills in the fields of data science and computer science .