

# **Lab Report 1**

## **Installation and Setup of Cursor IDE**

**Course Code:** COMP-341L

**Course Name:** Artificial Neural Networks Lab

**Lab Number:** 1

**Lab Title:** Installation and Setup of Cursor IDE

**Date:** January 26, 2026

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## 1. Objective

The objective of this lab is to download, install, and configure Cursor IDE on the local system for use in the Artificial Neural Networks Lab course.

## 2. Introduction

Cursor is an AI-powered code editor built on Visual Studio Code. It provides intelligent code assistance, integrated AI chat, and enhanced productivity features. This report documents the complete installation and setup process of Cursor IDE along with configuration steps and verification procedures.

## 3. Prerequisites

- Computer with macOS, Windows, or Linux
- Internet connection
- Administrator privileges
- Web browser

## 4. Task 1: Downloading Cursor IDE

### 4.1 Procedure

1. Open a web browser
2. Navigate to `https://cursor.sh`
3. Click the **Download** button
4. Select the appropriate operating system
5. Wait for the download to complete

## 4.2 Screenshot

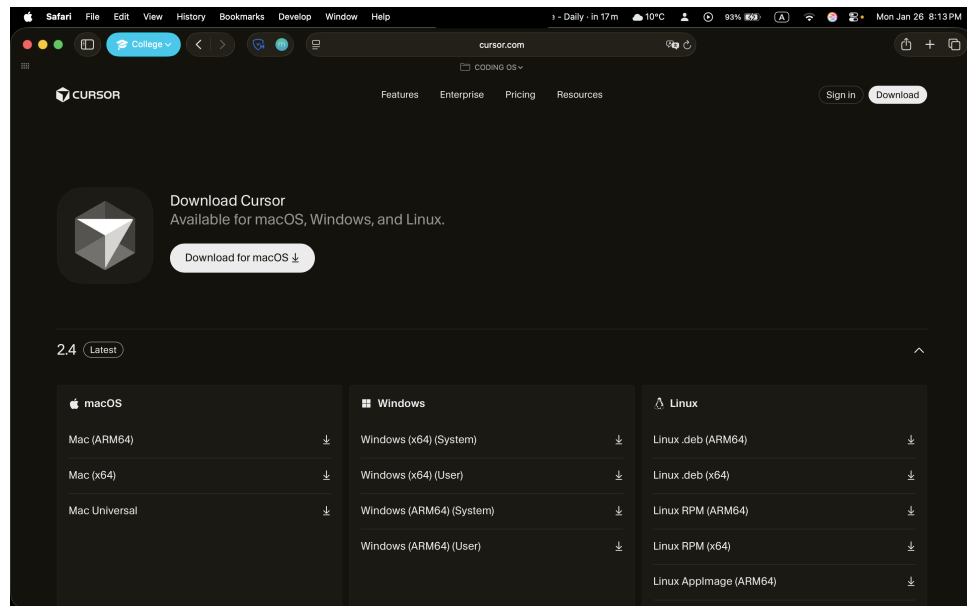


Figure 1: Cursor website download page

## 5. Task 2: Installing Cursor IDE

### 5.1 Procedure for macOS

1. Open the Downloads folder
2. Double-click the `.dmg` file
3. Drag the Cursor icon to the Applications folder
4. Eject the disk image after installation

### 5.2 Procedure for Windows

1. Locate the downloaded `.exe` file
2. Double-click to launch the installer
3. Follow the installation wizard
4. Click Finish after installation completes

### 5.3 Screenshot

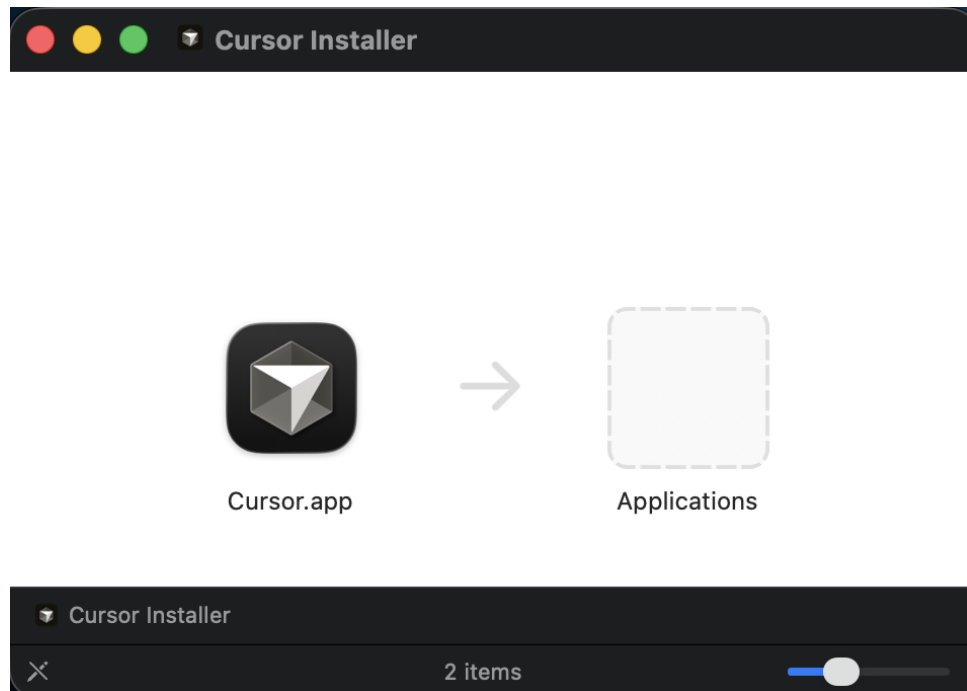


Figure 2: Installation process

## 6. Task 3: First Launch and Initial Setup

### 6.1 Procedure

1. Launch Cursor IDE
2. Accept terms of service if prompted
3. Choose preferred theme
4. Optionally sign in using an account
5. Cursor opens to the main interface

## 6.2 Screenshot

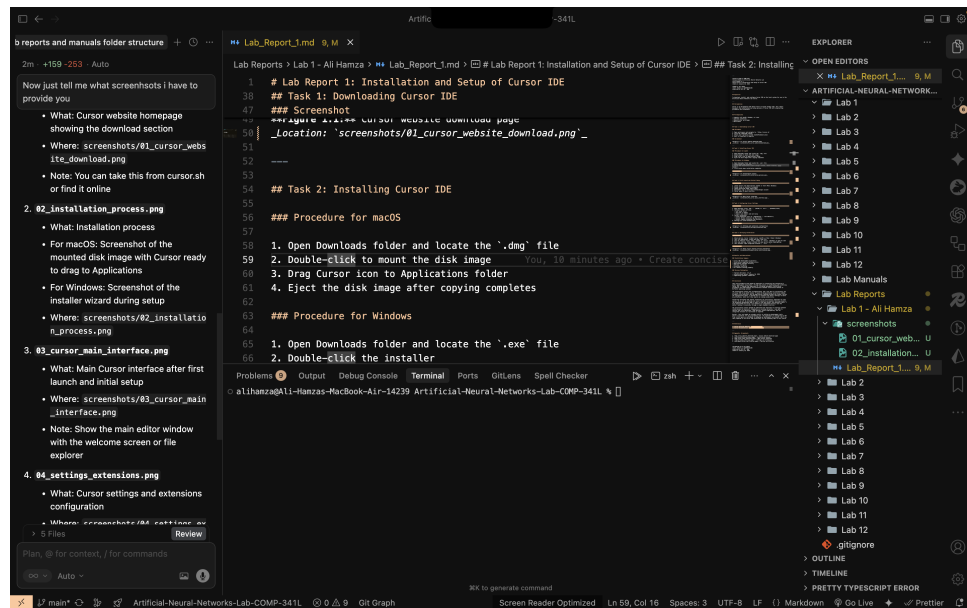


Figure 3: Main Cursor interface

## 7. Task 4: Configuring Cursor Settings

### 7.1 Procedure

1. Open Settings using `Cmd + ,` or `Ctrl + ,`
2. Set font size between 12–14
3. Set tab size to 4 spaces
4. Enable line numbers and word wrap
5. Open Extensions panel
6. Install Python extension (Microsoft)
7. Install Jupyter extension (Microsoft)

## 7.2 Screenshot

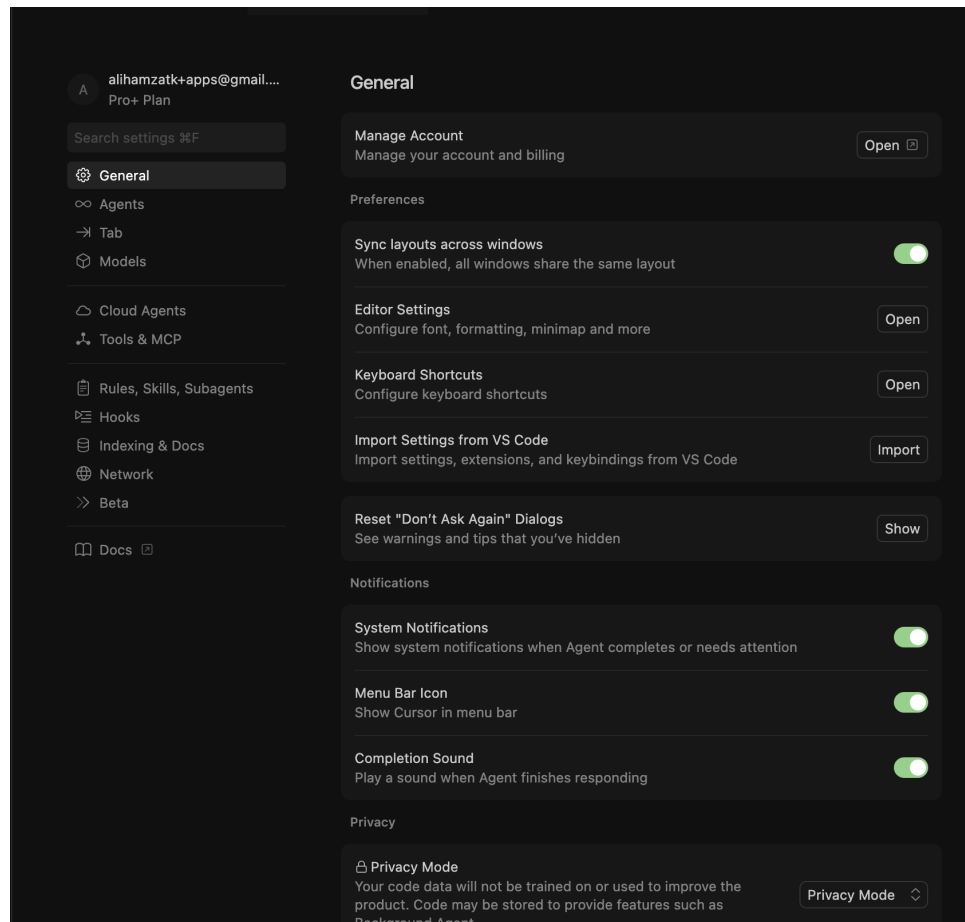


Figure 4: Settings and extensions configuration

## 8. Task 5: Verifying Installation

### 8.1 Procedure

1. Check Cursor version from About menu
2. Create and save a new file
3. Test AI chat using `Cmd + L` or `Ctrl + L`
4. Create a Python file and verify syntax highlighting
5. Open integrated terminal using `Ctrl + ``

## 9. Results and Observations

### 9.1 Installation Summary

- Cursor IDE downloaded successfully
- Installation completed without errors
- Application launched correctly
- Settings configured successfully
- Required extensions installed
- All features functioning properly

### 9.2 Version Information

- Cursor Version: 2.4.21
- Installation Date: January 26, 2026
- Operating System: macOS 26.2

## 10. Conclusion

This lab provided hands-on experience in installing and configuring a modern development environment. The process of setting up Cursor IDE helped in understanding installation workflows and environment customization.

The drag-and-drop installation method on macOS was simple and efficient. Configuration of editor settings and installation of Python and Jupyter extensions prepared the system for future neural network experiments.

The verification phase ensured that all components were functioning correctly, including file handling, syntax highlighting, terminal access, and AI-assisted features. Overall, this lab strengthened foundational skills necessary for effective software development throughout the course.

## 11. References

1. Cursor Official Website: <https://cursor.com>
2. Cursor Documentation: <https://docs.cursor.com>

## **12. Appendix: Screenshots**

1. 01\_cursor\_website\_download.png
2. 02\_installation\_process.png
3. 03\_cursor\_main\_interface.png
4. 04\_settings\_extensions.png

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