# Think Like an AI Engineer

Build Systems. Understand Deeply. Apply in Practice.

Shravan Kumar

2026-02-26

# Table of contents

**Think Like an AI Engineer** **1**

**Python Execution Model** **3**

The Real Problem . . . . . 3

Quick Sanity Test . . . . . 3

# Think Like an AI Engineer

This book is about building systems, not just writing code.

We start with Python execution — because everything in AI depends on understanding how code actually runs.

# Python Execution Model

## The Real Problem

When you run:

```
x = 10
y = x
x = 20
```

## Quick Sanity Test

```
import sys
import numpy as np

print("Python path:", sys.executable)
print("NumPy version:", np.__version__)
```

```
Python path: /Users/shravan/modern-ai-engineering/.venv/bin/python3
NumPy version: 2.4.2
```