**Project Title:**  
**AI-Powered Resume Analyzer Web App**

**Project Duration:**  
July 2025 – Ongoing *(or you can adjust this based on when you finish)*

**Tools & Technologies:**  
Python, Streamlit, OpenAI API, PyPDF2

**Project Description:**

Developed a web-based AI Resume Analyzer using Streamlit and OpenAI API to evaluate resumes against job descriptions. Implemented prompt engineering techniques to extract candidate strengths, identify missing skills, and generate a job-fit percentage. Enabled users to upload PDF resumes, perform instant AI-based analysis, and receive tailored improvement suggestions. Integrated PyPDF2 for text extraction and deployed the application on Streamlit Cloud.

**Key Features:**

* AI-driven resume analysis using Prompt Engineering
* Job-fit percentage and personalized improvement suggestions
* Resume text extraction from PDFs
* Clean, interactive user interface with Streamlit
* Deployed live on Streamlit Cloud

**Impact:**  
Enhanced resume optimization and improved candidate-job alignment in simulated HR hiring workflows.

Process:

**📦 Project: AI-Powered Resume Analyzer Web App**

**Goal:** Upload a PDF resume → AI compares it with a job description → AI gives strengths, missing skills, fit percentage, and suggestions.

**✅ Step 1: Install Python**

👉 Download Python 3.11+ from here:  
<https://www.python.org/downloads/>

👉 During installation:  
✅ Check **Add Python to PATH**  
✅ Install now

**After installation:**  
👉 Open **Command Prompt (Windows) / Terminal (Mac/Linux)**  
👉 Type:

bash

CopyEdit

python --version

✅ It should show something like:  
Python 3.12.3

📣 **Confirm to me once you finish this — type “Done Step 1” and I’ll take you to Step 2.**

**Take your time — I’m right here.**

**You said:**

which bit i have install 32 or 64

**ChatGPT said:**

Great question, Lalitha — let’s clarify this clearly:

👉 If your computer is **64-bit** (which most modern laptops/desktops are), you should download **64-bit Python**.

👉 If your system is old and only supports **32-bit**, then pick the 32-bit version.

**🔍 How to Check if Your System is 64-bit or 32-bit:**

On **Windows**:

* Press Windows + I → Go to **System** → **About**
* Look for **System Type**
* You’ll see either:
  + **64-bit operating system**
  + or **32-bit operating system**

**✅ Which one should you install?**

If it says **64-bit operating system** → Download **Python 64-bit version**.

**On the download page** it will say:  
Windows installer (64-bit)  
👉 Download and install that one.

API key:

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