

Resources —

Build a Banking Workflow App Using Django, MongoDB & Voyage AI

Code Along Live! - [Session Repo on GitHub](#)

Prerequisites:

1. Python 3.11+

- macOS / Linux: `brew install python` or download from python.org
- Windows: Download installer from python.org/downloads
- Verify: `python --version`

2. Git

- macOS: `xcode-select --install` (includes git) or `brew install git`
- Windows / Linux: git-scm.com/downloads
- Verify: `git --version`

3. VS Code

- Download from code.visualstudio.com
- Install the **Python** extension

API Accounts

4. MongoDB Atlas (Free Tier: M0)

- Sign up at cloud.mongodb.com (click Try Free)
- Create a free M0 cluster (any region)
- Under **Security** → **Database Access**: create a user with read/write access
- Under **Security** → **Network Access**: add your IP (or `0.0.0.0/0` for workshop)
- Click **Connect** → **Drivers** and copy the connection string:
`mongodb+srv://<user>:<password>@<cluster>.mongodb.net/`

Packages and versions

Package	Version
Django	6.0.5
django-mongodb-backend	6.0.3
pymongo	4.17.0
python-dotenv	1.2.2
voyageai	0.3.7
openai	latest

Thanks for watching the session! Here are a few resources that are particularly relevant to what we covered:

More Resources:

- [\[COURSE\] Introduction to Using MongoDB for Data Science in Python](#)
- [\[COURSE\] Introduction to Embeddings with the OpenAI API](#)
- [\[COURSE\] Retrieval Augmented Generation \(RAG\) with LangChain](#)
- [\[CAREER TRACK\] Associate AI Engineer for Developers](#)
- [\[TUTORIAL\] Django Tutorial: Python Web Development](#)
- [\[TUTORIAL\] Connecting MongoDB to Python: Your First 10 Minutes With PyMongo](#)
- [\[TUTORIAL\] Mastering Vector Search in MongoDB: A Guide With Examples](#)
- [\[TUTORIAL\] Semantic Search with Pinecone and OpenAI](#)
- [\[TUTORIAL\] Python Backend Development: A Complete Guide for Beginners](#)
- [\[BLOG\] What Are Vector Databases? A Beginner's Intro With MongoDB](#)
- [\[BLOG\] What Are Vector Embeddings? An Intuitive Explanation](#)
- [\[BLOG\] What Is RAG? A Guide to Retrieval Augmented Generation](#)
- [\[CODE ALONG\] Building and Evaluating RAG Pipelines](#)
- [\[CODE ALONG\] Creating an AI Agent for Financial Report Analysis](#)

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