

## Week 2 Learning Resources for NewsAI Project

### 1. Create API Accounts (Google Search, OpenAI, Beautiful Soup)

- How to Set Up Google Custom Search JSON API: <https://www.youtube.com/watch?v=KJDQOaZ1EDk>
- How to Use OpenAI API with Python: <https://www.youtube.com/watch?v=tepxdcepTbY>
- Web Scraping with BeautifulSoup (Crash Course): <https://www.youtube.com/watch?v=ng2o98k983k>

### 2. Create `.env` File and Load Environment Variables

- Python dotenv tutorial: <https://www.youtube.com/watch?v=YdglWTYQ69A>
- How to use dotenv in React: <https://www.youtube.com/watch?v=17UvejOw3zA>

### 3. Create `requirements.txt` and Set Up Virtual Environment

- Python Virtual Environments with `venv`: [https://www.youtube.com/watch?v=Kg1Yvry\\_Ydk](https://www.youtube.com/watch?v=Kg1Yvry_Ydk)
- Creating a `requirements.txt` file: <https://www.youtube.com/watch?v=FkhgkGid5cY>

### 4. Create a Dummy Backend (FastAPI) and Connect to Frontend (React)

- FastAPI Full Crash Course: <https://www.youtube.com/watch?v=0sOvCWFmrtA>
- Connect React with FastAPI Backend: <https://www.youtube.com/watch?v=l7yQBlj-WAM>

### 5. Start Building Google Search Route

- Google Search API in Python (CSE JSON API): <https://www.youtube.com/watch?v=KJDQOaZ1EDk>
- How to Call External APIs with FastAPI: <https://www.youtube.com/watch?v=0sOvCWFmrtA&t=2440s>