

DESMOND PAPA

ARHINFUL

GEOLOGICAL ENGINEER

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Github: <https://github.com/Des331150>

Objective

Aspiring backend developer with hands-on experience building APIs using Django, Django Rest Framework and Fast API. A fast learner committed to solving real world problems and continuously improving technical skills through project-based learning.

Technical skills

1. YouTube Video Downloader

Technologies used: FastAPI, yt-dlp, FFmpeg

- Developed an API to download video/audio content with format selection and temporary file linking.
- Implemented a rate limiting and signature-secured downloads.

2. Text Summarizer

Technologies used: FastAPI, Transformers, PymuPDF

- Built a tool to extract and summarize PDF content using NLP models
- Enabled file upload, processing and auto-deletion after download.

3. Recipe Sharing Platform

Technologies used: Django, DRF, SQLite, JWT Authentication, Pillow

- Built an API to access a list of recipes by filtering using keywords.
- Added authentication to allow users to log in or sign up to add their recipes.
- Implemented pagination and image processing.

Tech Skills

- **Languages:** Python, HTML, CSS, Javascript(basic)
- **Frameworks:** Django, FastAPI, Django Rest Framework
- **Tools:** Git, SQLite(basic)
- **Soft Skills:** Rapid development, problem-solving, communication

Education

Kwame Nkrumah University of Science and Technology, BS Geological Engineering

2026

Major: Geological Engineering

Major: Mathematics | Minor: Computer Science

Skills & abilities

- Fast learner
- Problem solving
- Interpersonal and social skills
- Computer skills