I hope you are doing well. Our team is currently working on face deduplication system using facial embeddings stored in Milvus DB. Given the computational requirements for processing image embeddings and running inference efficiently, we would like to request access to a GPU server.

**Required Software & Services:**

* **Python 3.12.6**
* **Docker & Docker Compose**
* **Milvus Vector Database** (docker image) <https://milvus.io/docs/v2.2.x/install_standalone-docker.md>
* **Attu** <https://milvus.io/docs/v2.0.x/attu_install-package.md>
* **Tesseract ocr -** sudo apt install tesseract-ocr and sudo apt install libtesseract-dev

**Required Python Packages:**

Please install the following Python packages using pip install -r requirements.txt attached in document

* datasets==3.4.0
* gdown==5.2.0
* insightface==0.7.3
* numpy==2.2.4
* opencv\_python==4.10.0.84
* opencv\_python\_headless==4.11.0.86
* pandas==2.2.3
* Pillow==11.1.0
* pymilvus==2.5.5
* pymongo==4.11.3
* torch==2.4.0
* tqdm==4.66.5
* pdfplumber ==0.11.4
* Flask==3.0.2
* Flask-Cors==4.0.0
* Flask-Login==0.6.3
* flask-marshmallow==1.2.0
* Flask-SQLAlchemy ==3.1.1
* Pymupdf==1.25.4
* Ultralytics==8.2.77
* img2pdf==0.6.0
* imutils==0.5.4
* pytesseract==0.3.13
* skimage==0.0
* cuda-python==12.8.0

We would appreciate it if you could grant us access to the GPU server and assist with setting up the required environment. Please let us know the next steps and any additional information needed.

Looking forward to your response.