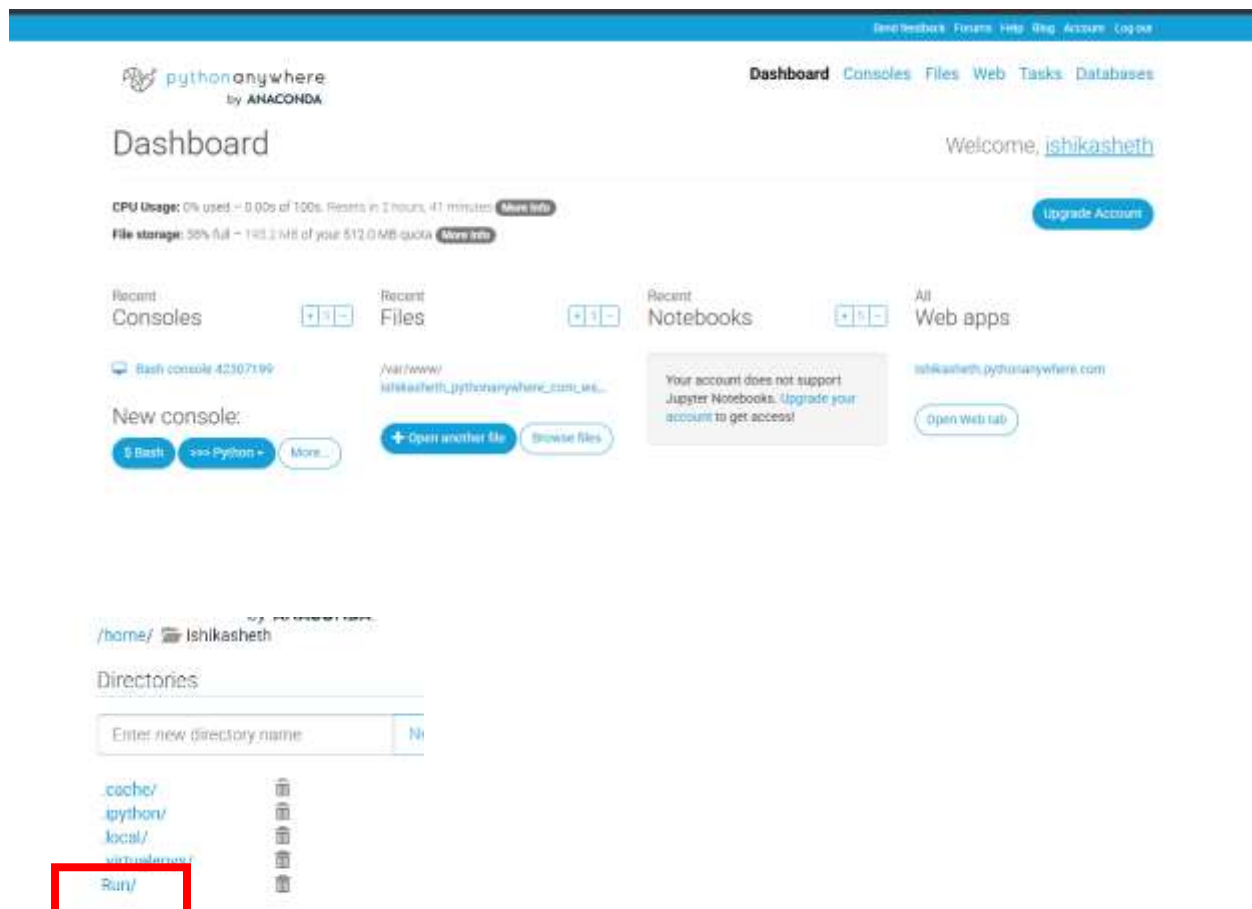# Deployment and Operations

1. Live Deployment Process

Platform Selection

- **Chosen Platform:** *PythonAnywhere* (a cloud-based hosting service for Python/Django applications).
- **Reason for Selection:**
    o Beginner-friendly and supports Django natively.
    o Offers free tier for academic projects.
    o Provides a public URL accessible beyond localhost.

Configure Web App

- In the PythonAnywhere dashboard:
    - Go to **Web tab → Add a new web app**.
    - Choose **Manual configuration → Django → Python 3.10**.
    - Point WSGI configuration to your Django project's wsgi.py.

/var/www/ishikasheth_pythonanywhere_com_wsgi.py

```
1   import sys
2   import os
3
4   path = '/home/ishikasheth/Run'
5 - if path not in sys.path:
6       sys.path.append(path)
7
8   from app import app as application
9
```

Database Migration

- Run from Bash console:
- python manage.py migrate
  python manage.py createsuperuser

Bash console 42307199

```
Loading console...
Preparing execution environment...
```

Conclusion

The Travel Assistant web application has been successfully deployed on PythonAnywhere to demonstrate live accessibility. While this setup works for academic purposes, a production-ready system would require deploying the backend on a robust cloud platform like **AWS, Azure, or Google Cloud**, which are chargeable. Such platforms ensure better scalability, reliability, and security, making the system sustainable for real-world use.