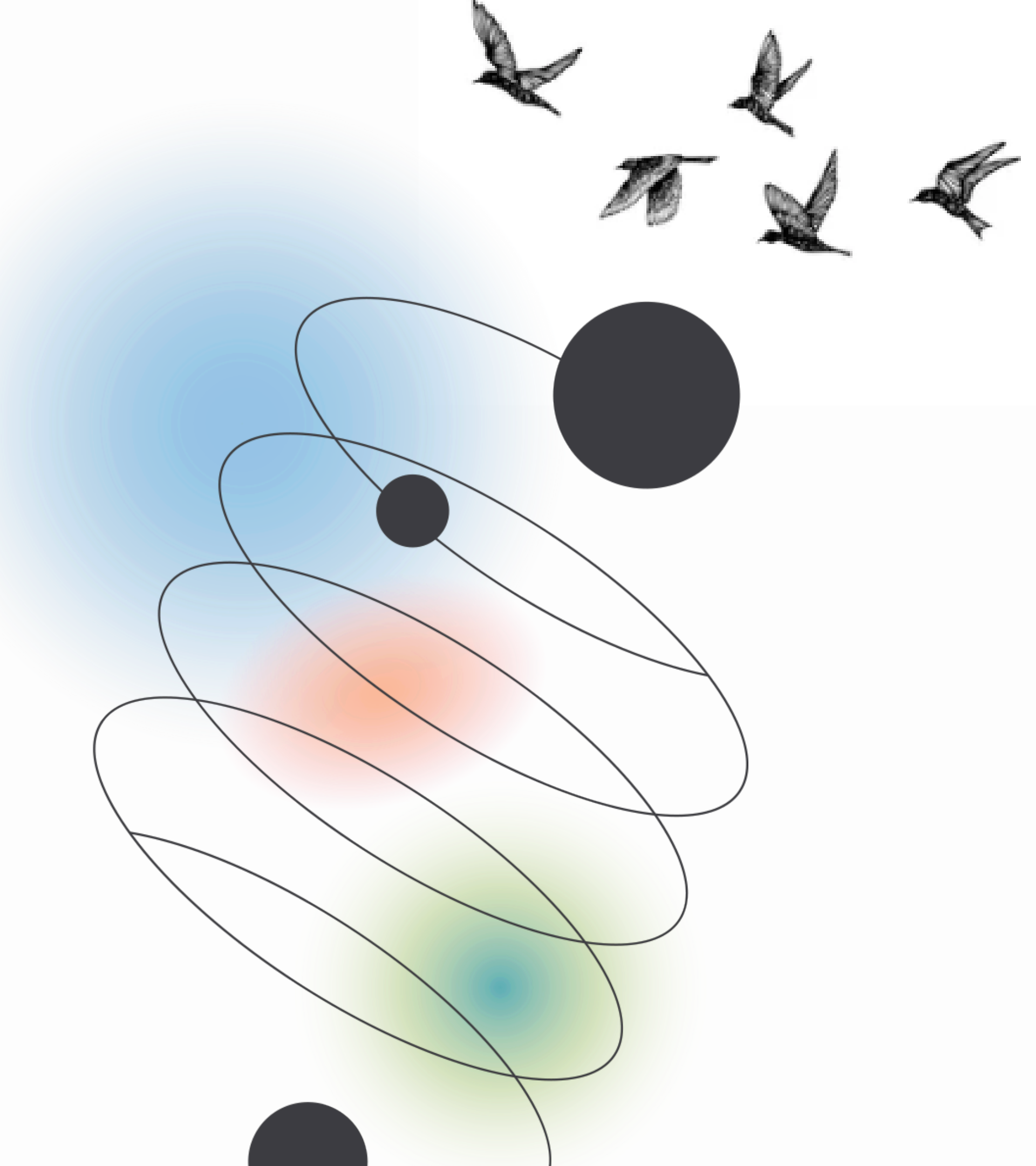


Information Retrieval Project



Steps Followed

1 GCP

- Created Inverted Indexes (Title, Body, Anchor), Document-Title mappings (GCP Cluster)

2 Colab

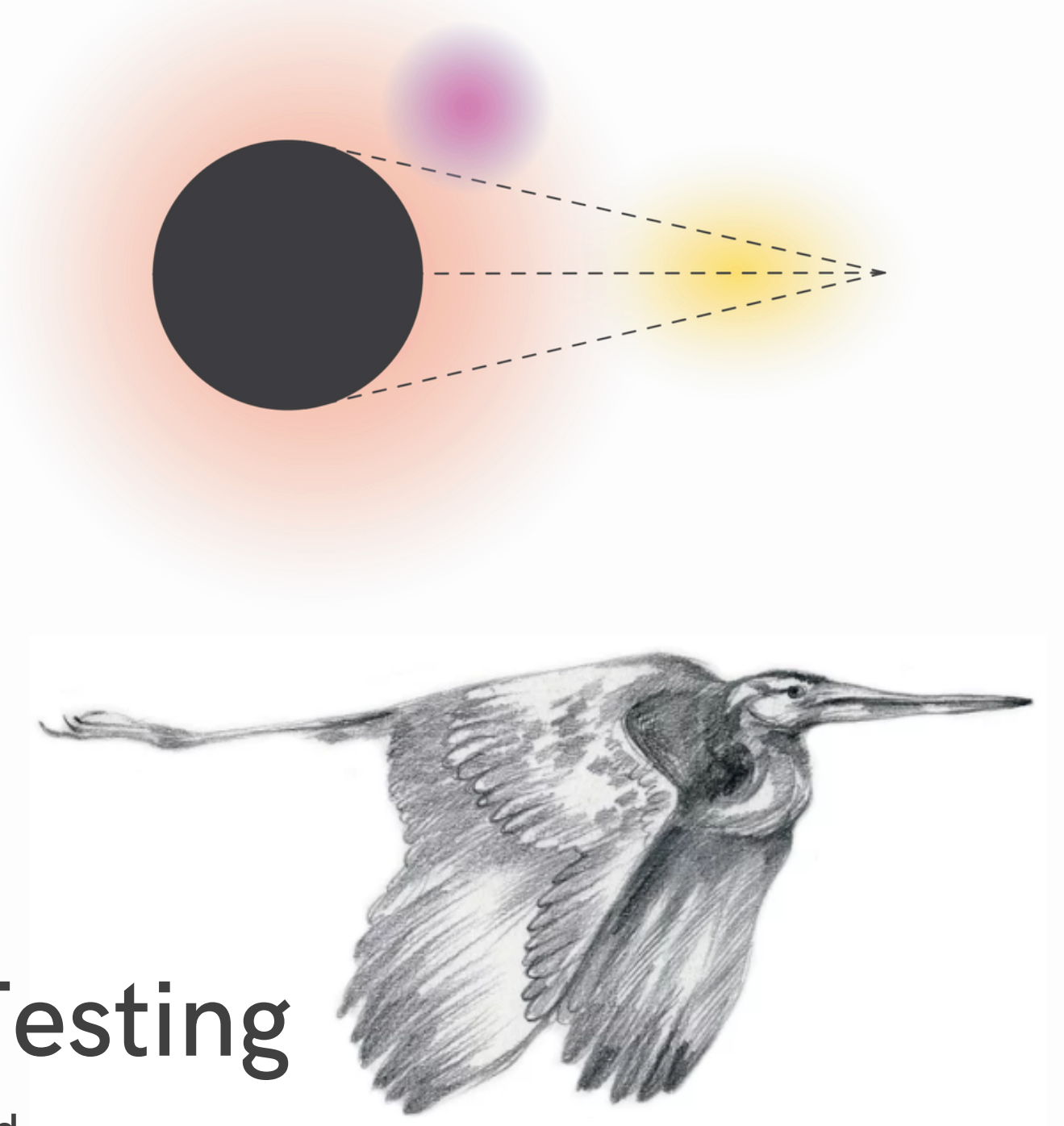
- Created Pagerank, Pageview, Document - Document Length (Colab)
- Ran initial tests on engine

3 VM Instance

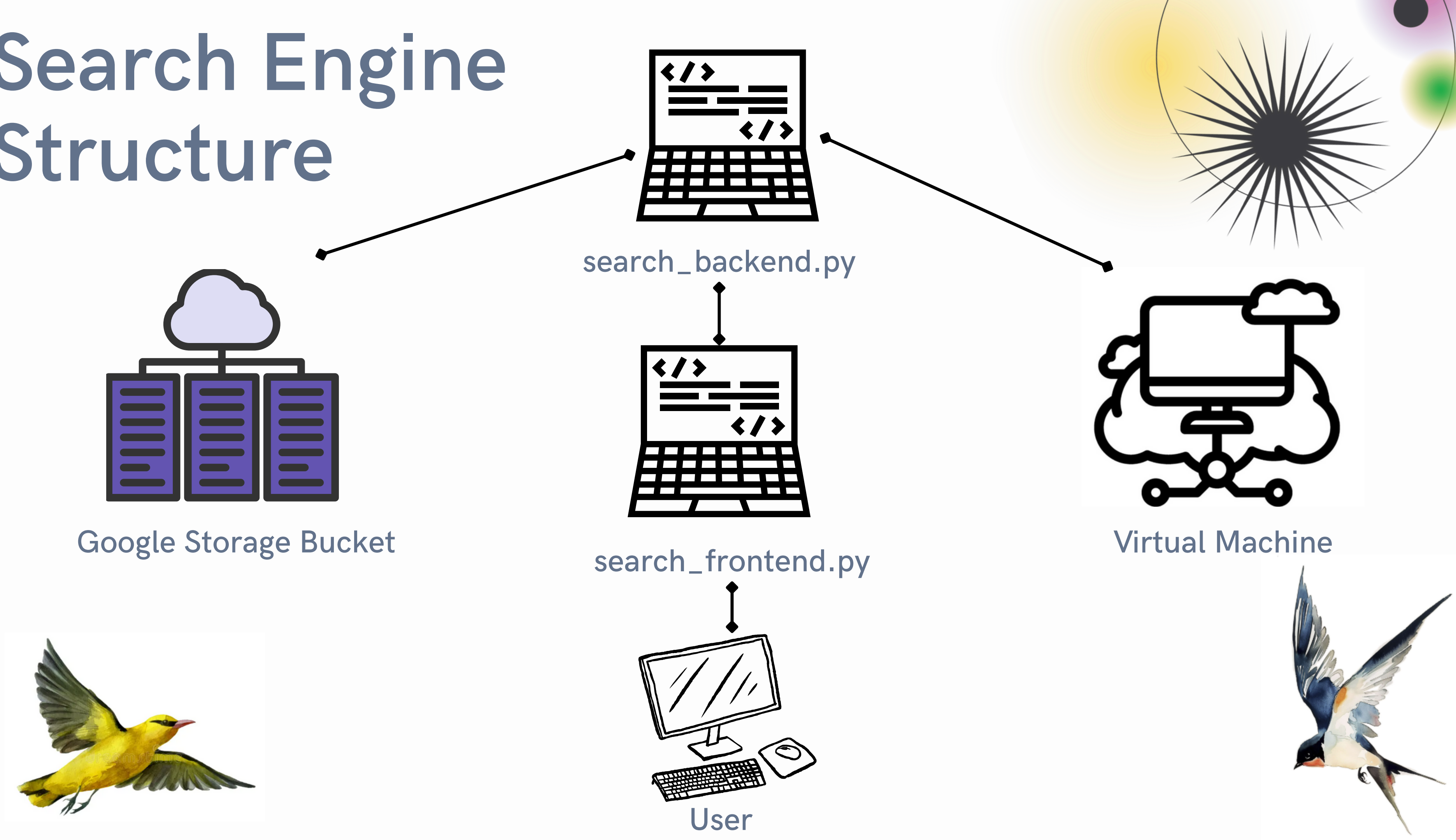
- Created VM instance (e2-standard-2, 2 vCPUs, 8 GB memory)
- Downloaded retrieval data locally

4 Further Testing

- Ran grid search to find optimal weight components
- Ran advanced tests



Search Engine Structure



Final Results



Avg Latency: 840.99 ms
Avg Precision: 0.2217
Avg Recall: 0.5033

