**Technical Architecture:**



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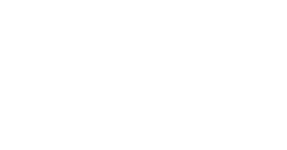
Set Limit



Upload Daily Expensive



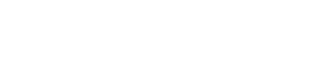
View Pie chart



Send Alert if cost is

higher than

predefined limits



Stored on Database



Via

SMS

**Table-1 : Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
| 1. | User Interface | How user interacts with application e.g. Web UI, Mobile App, Chatbot etc. | HTML, CSS, JavaScript |
| 2. | Application Logic-1 | Logic for a process in the application | Python |
| 3. | Application Logic-2 | Logic for a process in the application | SMTP |
| 4. | Application Logic-3 | Logic for a process in the application | SMTP |
| 5. | Database | Data Type, Configurations etc. | MySQL |
| 6. | Cloud Database | Database Service on Cloud | Local host |
| 7. | File Storage | File storage requirements | Local host |
| 8. | External API-1 | Purpose of External API used in the application | - |
| 9. | External API-2 | Purpose of External API used in the application | - |
| 10. | Machine Learning Model | Purpose of Machine Learning Model | - |
| 11. | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud Local Server Configuration:  Cloud Server Configuration : | Local, Cloud Foundry, Kubernetes |

**Table-2: Application Characteristics:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Characteristics** | **Description** | **Technology** |
| 1. | Open-Source Frameworks | List the open-source frameworks used | PYCHARM |
| 2. | Security Implementations | List all the security / access controls implemented, use of firewalls etc. | SHA-256 |
| 3. | Scalable Architecture | Justify the scalability of architecture (3 – tier, Micro-services) | SaaS |
| **S.No** | **Characteristics** | **Description** | **Technology** |
| 4. | Availability | Justify the availability of application (e.g. use of load balancers, distributed servers etc.) | Cloud Storage |
| 5. | Performance | Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN’s) etc. | Python |