**User Stories - Resume Best Match**

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| **Module** | **User Stories** | **Description / Additional Details** |
| Search UI | Create Search UI page with Job | As a developer , need create a job search Screen with input of search text in React Js. |
|  | Create Search UI page with Resume | As a developer , need create a Resume search Screen with input of search text in React Js. |
|  | Display the response for Job Search Functionality | As a developer need to design the screen to display the list of jobs in the ui screen. Also handle the negative scenarios if no results display no results found |
|  | Display the response for Resume | As a developer need to design the screen to display the list of resume in the ui screen. Also handle the negative scenarios if no results display no results found |
| Deployment-UI | Clone the UI project with help of App Engine Console | Github repository is required for UI project. |
|  | Install npm inside same GC project ID | For building the project in GC space need to install npm. |
|  | Build the UI project inside same project id space and remove all other file and folder apart from build folder . | Build UI project in GC space for deployment. |
|  | Create the APP.yaml (deployment descriptor file) | It is mandatory file for google cloud deployment. It have all the JS script information. |
|  | Deploy the UI project with Build folder and app.yaml | Only build folder and app.yaml will be deploy in GCP. |
| Develop an NLP Model | Create a Vertex AI Framework and define endpoints | As a developer, Create a new python project using Flask Framework and define the 2 endpoints for health and predict |
|  | Connect to cloud storage bucket | Based on the given inputPath location, read all the files in tha given location and process it further. |
|  | Find the resumes using given context | As a developer, Need to implement a logic to find the given context using NLP algorithms such as torch, nltk,speacy etc..  Based on given criteria such as threshold, dataset and context |
|  | Logic for job description best match | As a developer, Need to implement a logic to find the given context using NLP algorithms such as torch, nltk,speacy etc.. Based on given criteria such as threshold, dataset and context |
| Deploy In VertexAI | Create a Customised Image | As a developer,Need to write a docker file and create a docker image on local machine |
|  | Publish Docker image on artifactory | As a developer, need to enable the artifactory api in GCP. and initiate a connection from a local machine. and need to push the docker image from local to gcp artifactory location. |
|  | Deploy In Vertex AI | As a developer, Import customised model in Vertex ai environment and expose Endpoint |
|  | Unit Testing | As a developer, Using the Project Id , Endpoint Id and sample request try to connect from postman to validate the connection. |
| Deploy Cloud Function | Write a API to consume on Front end | As a developer, Need to write a new python api, to connect with Vertex AI Model and return the predictions based on given context. |
|  | Unit Testing | Using Postman to verify the new API is working as expected |
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