

## Job to Skill Project Contributions

Job to skill team based on John Doe's example

2023-02-09



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# Chapter 1

## About

This is a book written in **Markdown** for the project contributions of Job-to-Skill project. Refer to Readme on Github for details of the project.

<https://github.com/sahaavi/Job-to-Skill>



## Chapter 2

# Hello Viji here

This has Viji's contributions in building API wrapper using openai and LinkedIn job scraping.

### 2.1 01-Intro

All chapter sections start with a second-level (##) or higher heading followed by your section title, like the sections above and below here. You can have as many as you want within a chapter.

#### An unnumbered section

Chapters and sections are numbered by default. To un-number a heading, add a `{.unnumbered}` or the shorter `{-}` at the end of the heading, like in this section.

### 2.2 02 - Parts

Date	Module	Activity	Outcome/Achievements	Additional
				Comments
13-Jan-2023	NA	Initiation	Research on API and brainstorm with team	

Date	Module	Activity	Outcome/Achievements	Additional comments
14,15-Jan-2023	NA	Initiation	Research on API and brainstorm with team	
16-Jan-2023	NA	Initiation	Group discussion on next steps	
16-Jan-2023	NA	Initiation	Contribution log creation and logging	
17-Jan-2023	NA	Initiation	Researched different APIs available	
17-Jan-2023	NA	Initiation	Confirmation on using openAI	
18-Jan-2023	NA	Proposal	Created draft proposal	
20-Jan-2023	NA	Proposal	Finished discussions and review on proposal. We considered using RapidAPI but dropped as we are not sure of the permissions and terms that come with it	
21-Jan-2023		Design	Looking at next steps for designing the wrapper	
26-Jan-2023		Coding	Verified scraping from different sites	



Date	Module	Activity	Outcome/Achievements	Additional comments
26-Jan-2023		Coding	Not able to scrape from indeed due to security	
26-Jan-2023		Coding	Able to scrape from LinkedIn only when logged in	
27-Jan-2023		Coding	Created first scrape from LinkedIn to share for downstream	
27-Jan-2023		Coding	Created code of conduct and sent for review to team	
31-Jan-2023		Coding	Worked on fine tuning scraping and created full output today	
01-Feb-2023		Coding	Worked on fine tuning scraping and error functions	
02-Feb-2023		Unit test and CICD	Worked on unit test and CICD	
03-Feb-2023		Presentation	Draft presentation and project review with team	
04-Feb-2023		Presentation	Adding more inputs	
06-Feb-2023		Documentation	Finalize presentation	

Date	Module	Activity	Outcome/Achievements	Additional comments
07-Feb-2023		Documentation	Review with team and submit presentations on Canvas	
08-Feb-2023		Presentation	Prepare for final presentation	
09-Feb-2023		Presentation	final presentation	
09-Feb-2023		Documentation	Readme.md updates for project	
09-Feb-2023		Final	Project final review with team and submission on Canvas!!!	
	Decisions	NA	Not to use RapidAPI as the sources are not known for righteous use	
	Decisions	NA	Other job sites do not provide job description so going with LinkedIn	
	Decisions	NA	Final plots and output to user - reviewed and decided as a team	

## 2.3 03-references

Add all outside references and biliography links

Date	Link	Comments
abc		

## 2.4 04-dependencies, open questions and comments

Anything to communicate with other project members or consider for future.

Date	Module	Description	Comments
	Job scraping	Linked in Easy apply	
	Job scraping	Indeed	
	Job output	Salary inputs and recommendations	



## Chapter 3

# Hi Avishek here

This includes Avishek's contribution into developing an API wrapper utilising OpenAI and Indeed APIs.

### 3.1 01-Intro

All chapter sections start with a second-level (##) or higher heading followed by your section title, like the sections above and below here. You can have as many as you want within a chapter.

#### An unnumbered section

Chapters and sections are numbered by default. To un-number a heading, add a `{.unnumbered}` or the shorter `{-}` at the end of the heading, like in this section.

### 3.2 02 - Parts

Date	Module	Activity	Outcome/Achievements	Additional comments
13-Jan-2023	NA	Initiation	Researched on API and brainstorm with team	

Date	Module	Activity	Outcome/Achievements	Additional comments
14-Jan-2023	NA	Initiation	Read Documentation of OpenAi API & test the api	
16-Jan-2023	NA	Initiation	Group discussion on next steps	
16-Jan-2023	NA	Initiation	Created Github Repo	
17-Jan-2023	NA	Initiation	Applied for Indeed API publisher number	
17-Jan-2023	NA	Initiation	Confirmation on using openAI	
18-Jan-2023	NA	Initiation	Tested LinkedIn RapidAPI	
18-Jan-2023	NA	Initiation	Checked availability of glassdoor API	
19-Jan-2023	NA	Initiation	Tried to scrape LinkedIn	
20-Jan-2023	NA	Proposal	Review Proposal	
27-Jan-2023	NA	Project	Worked on Openai Api Parameters tuning	
28-Jan-2023	NA	Project	Wrote functions to call API and clean the results for output	
28-Jan-2023	NA	Project	Discussed progress and future work	

Date	Module	Activity	Outcome/Achievements	Additional comments
30-Jan-2023	NA	Project	Build Test Cases [Unit Test]	
30-Jan-2023	NA	Project	Build Test Suite	
30-Jan-2023	NA	Project	Generate Coverage Report	
30-Jan-2023	NA	Project	Initiated Travis CI for continuous integration	
31-Jan-2023	NA	Project	Added some functions	
31-Jan-2023	NA	Project	Set environment variable	
31-Jan-2023	NA	Project	Initiated Github Action for continuous integration	
31-Jan-2023	NA	Project	Added build passing stamp	
04-Feb-2023	NA	Project	Modified Viji's code to add my part	
04-Feb-2023	NA	Project	Created run.py to run the whole application at once.	
04-Feb-2023	NA	Project	Created main driver.py to show the user interaction	
05-Feb-2023	NA	Project	Integrate modules to run.py	
06-Feb-2023	NA	Project	Recorded video	

Date	Module	Activity	Outcome/Achievements	Additional comments
09-Feb-2023	NA	Project	Made usage in readme	

### 3.3 03-references

Add all outside references and biliography links

Date	Link	Comments
abc		

### 3.4 04-dependencies, open questions and comments

Anything to communicate with other project members or consider for future.

Date	Module	Description	Comments
27-Jan-2023	challenge		fine tuning the temperature parameter to get the wanted result

|05-Feb-2023|challenge||API token length issue||



## Chapter 4

# Hi Noman here

This includes Noman's contribution into developing an API wrapper utilising OpenAI and Indeed APIs.

### 4.1 01-Intro

All chapter sections start with a second-level (##) or higher heading followed by your section title, like the sections above and below here. You can have as many as you want within a chapter.

#### An unnumbered section

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### 4.2 02 - Parts

Date	Module	Activity	Outcome/Achievements	Additional comments
13-Jan-2023	NA	Initiation	Explored project suggestions and use cases for OpenAI	

Date	Module	Activity	Outcome/Achievements	Additional comments
14-Jan-2023	NA	Initiation	Further exploring openAI and brainstorming with team	
16-Jan-2023	NA	Initiation	Group discussion on next steps	
17-Jan-2023	NA	Initiation	Confirmation on using openAI with team	
17-Jan-2023	NA	Initiation	Explored Indeed and its scraping potential	
18-Jan-2023	NA	Proposal	Explored Indeed and its scraping potential for interview questions	
18-Jan-2023	NA	Proposal	Researched OpenAI's capabilities to curate interview questions	
19-Jan-2023	NA	Proposal	Met with team to further discuss scope and functionality	
20-Jan-2023	NA		Proposal	Read project proposal
27-Jan-2023	NA		Project	played around with openAI api and the temperature parameter

Date	Module	Activity	Outcome/Achievements	Additional comments
28-Jan-2023	NA	Project	Project	Discussed progress and any roadblocks with group
29-Jan-2023	NA		Project	Worked on interview questions wrapper function
30-Jan-2023	NA		Project	had to add extra function to API call
31-Jan-2023	NA		added doc strings to functions	
03-Feb-2023	NA		worked on visualization functions	
04-Feb-2023	NA		discussed finalization with team and plans moving forward	
05-Feb-2023	NA		fixed all issues with visualization functions	
05-Feb-2023	NA		added pie chart for distribution of locations	
05-Feb-2023	NA		helper functions for parsing data for visuals	
07-Feb-2023	NA		Project	writing unit tests for modules

Date	Module	Activity	Outcome/Achievements	Additional comments
07-Feb-2023	NA		Presentation	finalizing presentation parts
08-Feb-2023	NA		Project	updating visualizations, fine tuning parameters and overall look
09-Feb-2023	NA		Project	writing integration tests for different modules
09-Feb-2023	NA		Final	finalizing project for submission with team

### 4.3 03-references

Add all outside references and biliography links

Date	Link	Comments
abc		

### 4.4 04-dependencies, open questions and comments

Anything to communicate with other project members or consider for future.

Date	Module	Description	Comments
27-Jan-2023	challenge		when attempting to get suggested AI interview response, setting API parameter (temperature) to a lower value was returning responses very objective to the skills provided... the responses were very short. This was not helpful, so changing temperatur to higher value gave more elaborate and creative responses but sometimes swayed from the topic so finding balance was key

|04-Feb-2023|challenge||API token length was causing issues with how much of a response openAI gives so sometimes the answers would be too long for API to return||

|04-Feb-2023||challenge||ran into some issue with charting, when exploding data from columns for charting, the values were combined as a string|