

JIRA Sprint Dashboard

Project: University Admit Eligibility Predictor

Team ID: PNT2022TMID26284

i) Project Components

Projects / University Admit Eligibility Predictor

Components [Create component](#)

Component	Description	Component lead	Default assignee	Issues	
Web Application	A web app presented as a dashboard where user can view and understand different graphical visualizations pertaining to university admit data and view the percentage chances of acceptance given the candidates data.	KS Krishnan S	Component lead	1 issue	...
Performance Testing	Performance testing of the webapp and ML model	RV R. Vishnu Vasan	Component lead	2 issues	...
IBM Model Deployment	Deployment of the ML model in IBM cloud and accessing as a scorable endpoint.	RV R. Vishnu Vasan	Component lead	2 issues	...
Cloud Integration and Hosting	IBM Watson Machine Learning Service Integration and Streamlit web hosting	KS Krishnan S	Component lead	2 issues	...

ii) Issues Dashboard

Projects / University Admit Eligibility Predictor

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Type	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
A	UAEP-1	Analyze different regression models and determine the model that has the highest R2 Score	KS Krishnan S	KS Krishnan S	=	DONE	Done	Oct 31, 2022	Oct 31, 2022	
A	UAEP-2	Complete Exploratory Data Analysis on Admission Dataset	R Rohith	KS Krishnan S	=	DONE	Done	Oct 31, 2022	Oct 31, 2022	
A	UAEP-3	Developing the web app in Streamlit	KS Krishnan S	KS Krishnan S	^	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-4	Running Jupyter Notebook in Watson Studio	K krishwar2001	KS Krishnan S	v	DONE	Done	Nov 18, 2022	Nov 19, 2022	
A	UAEP-5	Deploying model in IBM Cloud	RV R. Vishnu Vasan	KS Krishnan S	^	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-6	Integrate the web app with the deployed model	R Rohith	KS Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	
A	UAEP-7	Hosting the web app in Streamlit cloud platform	KS Krishnan S	KS Krishnan S	v	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-8	Performance testing of the web application	RV R. Vishnu Vasan	KS Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-9	Model Performance Testing	K krishwar2001	KS Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	

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iii) Component-wise issues

a) Web Application: Component Lead: Krishnan S

Developing the web app in Streamlit

[Attach](#) [Create subtask](#) [Link issue](#) [...](#)

Description

Develop the web app using Streamlit. Predict the probability of acceptance given test data for a candidate. Persist the model with the highest R^2 score as a pickle file and integrate it with the web app.

Activity

Show: [All](#) [Comments](#) [History](#) [Work log](#)


Newest first

[KS](#)

Pro tip: press **M** to comment

Done ☐ ☒ Done

Pinned fields

Click on the  next to a field label to start pinning.

Details

Assignee

[KS](#) Krishnan S

Reporter

[KS](#) Krishnan S

Development

[Create branch](#)
[Create commit](#)


Labels

None

Components

[Web Application](#)

Priority

 High

b) IBM Model Deployment: Component Lead: Vishnu Vasan R

1-2 of 2

Columns

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	UAEP-5	Deploying model in IBM Cloud	R Vishnu Vasan	Krishnan S		DONE	Done	18/Nov/22	18/Nov/22	...
	UAEP-4	Running Jupyter Notebook in Watson Studio	krishwar2001	Krishnan S		DONE	Done	18/Nov/22	19/Nov/22	

1-2 of 2

Projects /  University Admit Eli... /  UAEP-5

 1   

Deploying model in IBM Cloud

[Attach](#) [Create subtask](#) [Link issue](#) [...](#)

Description

Use IBM Watson's Machine Learning Service and deploy the multiple-linear regression model. Create a scorable endpoint of the deployed model so that it can be accessed as an API.

Activity

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[KS](#)

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Details

Assignee

[RV](#) R Vishnu Vasan
[Assign to me](#)

Reporter

[KS](#) Krishnan S

Development

[Create branch](#)
[Create commit](#)


Labels

None

Components

[IBM Model Deployment](#)

Priority

 High

Running Jupyter Notebook in Watson Studio

Attach Create subtask Link issue ...

Description

Push the dataset CSV files and the Jupyter notebook as an asset in IBM cloud's deployment space.

Activity

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Details

Assignee krishwar2001

Assign to me

Reporter KS Krishnan S

Development Create branch

Create commit

Labels None

Components IBM Model Deployment

Priority Low

c) Cloud Deployment and Hosting: Component Lead: Krishnan S

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Columns

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
1	UAEP-7	Hosting the web app in Streamlit cloud platform	Krishnan S	Krishnan S		DONE	Done	18/Nov/22	18/Nov/22	...
2	UAEP-6	Integrate the web app with the deployed model	Rohith	Krishnan S		DONE	Done	18/Nov/22	19/Nov/22	

1-2 of 2

Hosting the web app in Streamlit cloud platform

Attach Create subtask Link issue ...

Description

Connect the respective GitHub repo and branch to Streamlit cloud platform and set up CI-CD to automatically deploy new changes pushed to the repo.

Activity

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Details

Assignee KS Krishnan S

Reporter KS Krishnan S

Development Create branch

Create commit

Labels None

Components Cloud Integration and Host...

Priority Low

Integrate the web app with the deployed model

Attach Create subtask Link issue

Description

Use the deployed model in IBM Watson through the scoring endpoint by making an API call with the IBM cloud API key.

Activity

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Done

Pinned fields

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Details

Assignee Rohith
Assign to me
Reporter Krishnan S
Development Create branch Create commit
Labels None
Components Cloud Integration and Host...
Priority Medium

d) Performance Testing: Component Lead: Vishnu Vasan R

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Columns

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
UAEP-9		Model Performance Testing	krishwar2001	Krishnan S		DONE	Done	18/Nov/22	19/Nov/22	
UAEP-8		Performance testing of the web application	R Vishnu Vasan	Krishnan S		DONE	Done	18/Nov/22	18/Nov/22	

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Model Performance Testing

Attach Create subtask Link issue

Description

Evaluate the performance of the multiple linear regression model.

Model Performance Metrics: Confusion matrix, Accuracy Precision, Recall, Specificity, F1 score Precision-Recall or PR curve, ROC (Receiver Operating Characteristics) curve PR vs ROC curve.

Activity

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Done

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Details

Assignee krishwar2001
Assign to me
Reporter Krishnan S
Development Create branch Create commit
Labels None
Components Performance Testing
Priority Medium

Performance testing of the web application

Attach Create subtask Link issue

Description

Test the performance of the web app and generate reports.

Attachments (1)



Activity

Show: All Comments History Work log

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Done

Done

Pinned fields

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Details

Assignee R Vishnu Vasan
Assign to me

Reporter KS Krishnan S

Development Create branch
Create commit

Labels None

Components Performance Testing

Priority Medium

More fields Story Points, Original estimate, Time tracking, Epic Li...