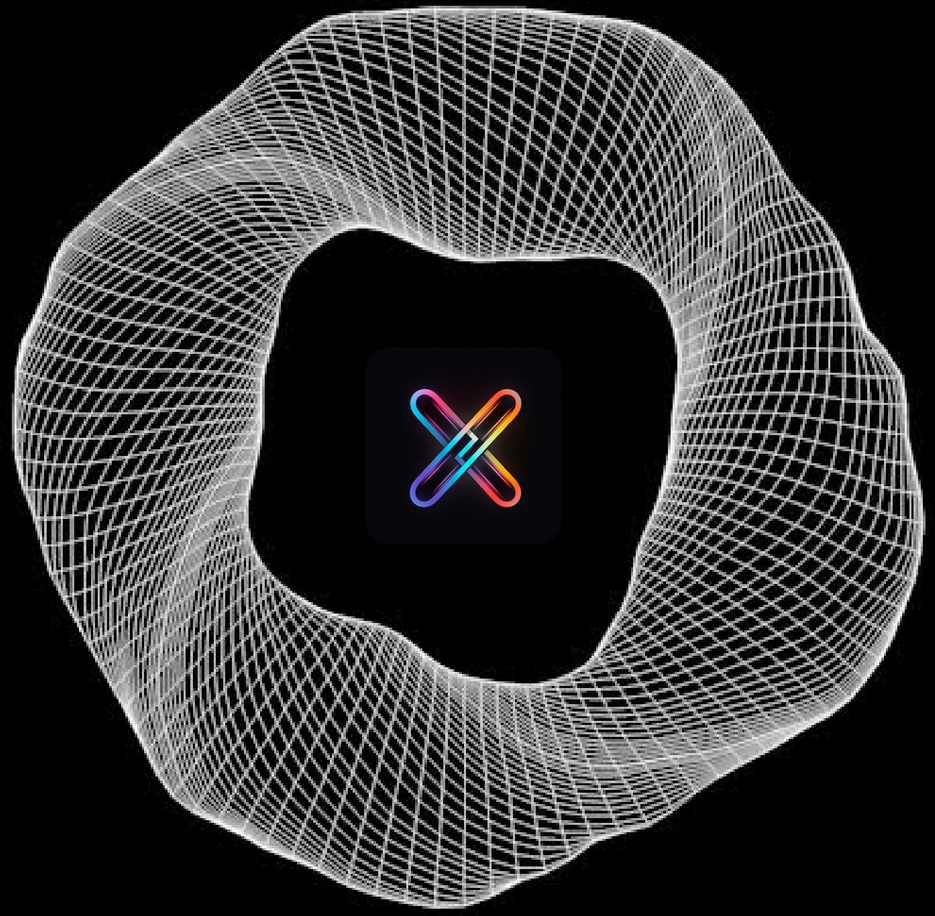


PI-SLICES

Radical X
Sprint 6

AI INNOVATION CHALLENGE

Introduction

“We’ve already seen how AI has changed the world, we are just waiting to see who will change AI.”

- Dr. Fei Fei Li

SPRINT GOALS
10/25 - 11/3

Multigroup Collaboration

Multimodal AI Innovation

Evaluation Criteria

Challenge 1

Description

This challenge involves leveraging AI technology to create a platform where users can submit UX/UI design PDFs for evaluation and feedback.

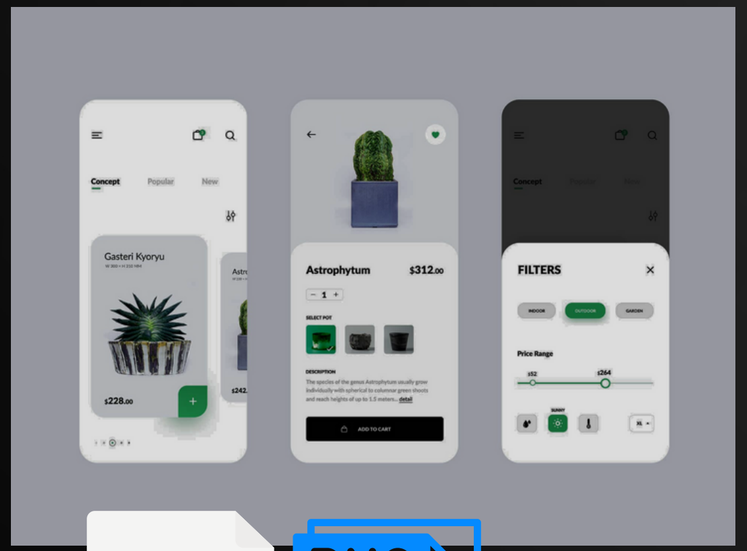
Business Application

The AI-powered design evaluator enhances the quality of design submissions by providing real-time feedback, making it a valuable tool for design teams, businesses, and professionals looking to improve their designs.

How it Works

Users upload PDF design deliverables, and our AI evaluates them using a unique blend of AI techniques, opening up possibilities for creative evaluation methods and feedback mechanisms. Your innovation can shape this exciting process!

Challenge 1



PDF

PNG

Vision Model

Foundation Model

Recommendations
Areas of Strength
Areas of Improvement
UX Design Score
UI Design Score
Audience Score

Challenge 2

Evaluation Criteria

Description

Challenge 2 involves the creation of an AI agent that codes at an amateur level. Participants must develop an AI agent that intentionally introduces coding mistakes, and users are tasked with debugging and working alongside the AI to complete coding challenges.

Business Application

The Paired-Programming Agent challenge aligns with our AI-as-a-tutor vision. It offers a unique learning experience where users can refine their coding skills by teaching the AI agent and troubleshooting coding errors in a real-world scenario.

How it Works

Participants will design and implement an AI agent that codes at an amateur level, simulating real-world coding challenges. Users will collaborate with the AI agent to identify and rectify coding errors, fostering a dynamic learning environment. The AI agent's amateurish coding behavior serves as a catalyst for user skill improvement and promotes our vision of AI as an educational tool.

Challenge 2

Paired Programming Simulation

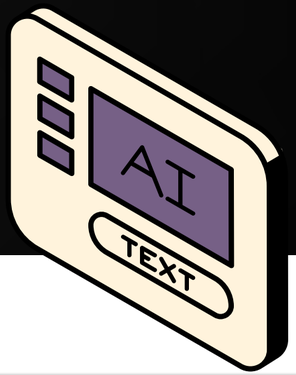
- **Description:** In this exercise, you will pair program with Junior bot to explore and analyze a dataset. You will be provided synthetic data from a hypothetical scenario, and your team's task is to perform necessary Exploratory Data Analysis (EDA), data preprocessing, and implement a basic predictive model, such as linear regression, to make predictions.

Learning Objectives: This prompt is designed for participants who are relatively new to data science and machine learning. It aims to reinforce fundamental concepts related to data exploration, preprocessing, and basic modeling techniques.

Challenge 2

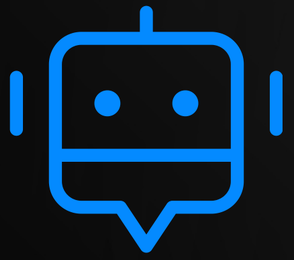
Paired Programming Simulation

Task Master AI

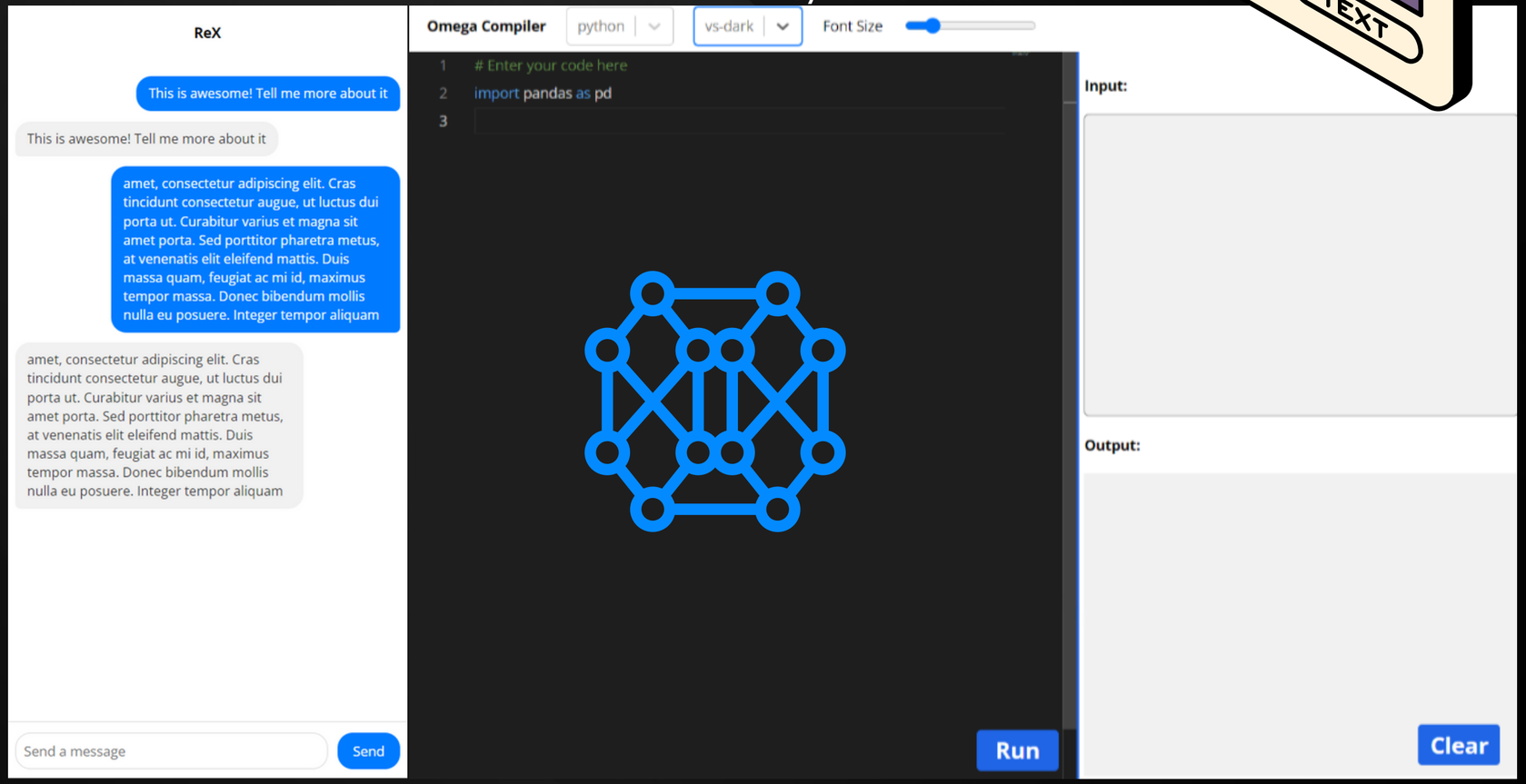


Synthetic Dataset

Junior Bot



User Programmer



“Perform Necessary EDA, Preprocessing to implement a predictive Random Forest Regression model”

Radical X
Sprint 6

AI INNOVATION CHALLENGE

Evaluation Criteria

SCORE CRITERIA

50%
Technical

50%
Technical

Project Timeline

10/25
Initial Group Formation

10/27
Technical Review #1

10/31
Technical Review #2

11/2
Technical Review #3
Submissions due

11/3
Round 1
Presentations

Round 2
Final Presentations with top 3