**Summer Internship report**

on

# **“Transformation of Handwritten sketches into HTML prototypes”**

**Submitted by**

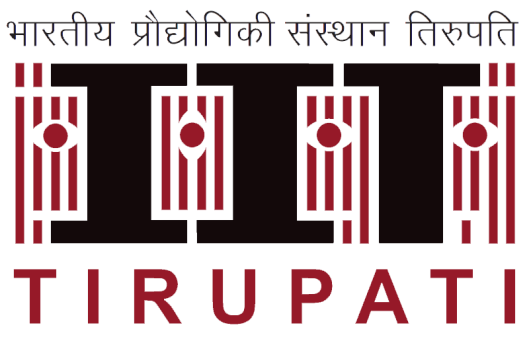
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**Under the guidance of**

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**Submitted to**



**DEPARTMENT OF ELECTRICAL ENGINEERING**

**INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI**

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# **ABSTRACT**

Typically, during the UI development, creative designers or business users of the application hand draw their UI design ideas on a whiteboard, or a graphic tablet, or even a piece of paper. Later, they use the wireframing tools on a computer to create the exact design again which is a redundant step. Implementing GUI code is, however, time-consuming and prevent developers from dedicating the majority of their time implementing the actual functionality and logic of the software they are building. Given this situation, an Artificial Intelligence based UI development tool that converts hand-drawn UI sketches to a working HTML prototype could save a lot of time, effort, and money.

In this project, we have worked on building a tool (web application) that uses AI to transform a handwritten user interface design from a picture/snapshot to a valid HTML markup code. The project also focuses on making the HTML file downloadable thus, allowing the users to edit the resultant HTML code.

# **ACKNOWLEDGEMENT**

I am grateful to Mr. Pushpak Kumar, Placement officer-IIT Tirupati, Dr. Prasanth Vooka, Internship Faculty Advisor, Department of Electrical Engineering, IIT Tirupati and the Career Development Cell, IIT Tirupati for providing me the opportunity and support to complete my summer internship in Deloitte USI, Hyderabad.

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Finally, I would like to thank my fellow interns who, with their patience and openness created an enjoyable working environment. It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals.

Sincerely

Posi Sai Venkata Rohith Yerra

# **INTERNSHIP COMPLETION CERTIFICATE**

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