



# CERTIFICATE

## OF INTERNSHIP

This Certificate is Presented To :

**Pranjal Chouhan**

This is to certify that Pranjal Chouhan has successfully completed a 2-month internship from 1st September 2024 to 29th October 2024 as an AI Engineer Intern at Wishgranters, a subsidiary of Zerzura Studios Pvt. Ltd.

During his internship, he worked on the development of a Text-to-Visual SQL application using advanced AI technologies, including the Google Gemini Pro API. His contributions included transforming natural language queries into SQL commands, integrating database and Excel file support, and designing dynamic data visualization features.

Throughout his internship, he demonstrated exceptional dedication, technical expertise, and a strong work ethic. He was found to be punctual, hardworking, and consistently performing at his best.

We wish him every success in his future endeavors.

A handwritten signature in blue ink, reading "Arnav Mukherjee".

**Arnav Mukherjee**  
Business Development Head  
Wishgranters



## Letter of Recommendation

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**Pranjal Chouhan**

AI Engineer  
Wishgranters (subsidiary of Zerzura Studios Pvt.  
Ltd.)  
30th November 2024

**Subject: Confirmation of Pranjal Chouhan as an AI Engineer Intern at Wishgranters**

To whomsoever it may concern,

I am pleased to confirm that Pranjal Chouhan, a fourth-year undergraduate student at the Indian Institute of Technology Kharagpur, has worked under my supervision as an AI Engineer Intern at Wishgranters, a subsidiary of Zerzura Studios Pvt. Ltd. During his internship, he made significant contributions to the development of a Text-to-Visual SQL application powered by advanced AI and machine learning technologies.

Utilizing the Google Gemini Pro API, he developed a system that transformed natural language queries into SQL commands and created visual representations of the retrieved data. The system included mechanisms to process and standardize SQL schemas from diverse database types, ensuring seamless query execution. Additionally, a user-friendly interface was designed using Streamlit, allowing users to upload database and Excel files or SQL schemas for analysis. This integration of multiple data formats and streamlined workflows enhanced the application's functionality and adaptability.

He also implemented features for generating visualizations such as bar charts, line graphs, and scatter plots, improving the user experience. Emphasizing scalability and adaptability, his work ensured that the system catered to both enterprise-level and smaller-scale use cases. His strong grasp of LLMs, data visualization, and database management played a crucial role in the success of the project.

Pranjal's technical expertise, dedication, and problem-solving abilities make him an exceptional contributor to any project. I am confident that he will excel in all his future endeavors.

**Yours Sincerely,**

A handwritten signature in blue ink, appearing to read 'Arnav Mukherjee'.

**Arnav Mukherjee**  
Business Development Head  
Wishgranters

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