

PROJECT PARTICIPATION AND COMPLETION LETTER

Date: 27-10-2026

TO WHOMSOEVER IT MAY CONCERN

This letter is to certify that **Master TATA MAITHRINATH**, a student of Class XII (CBSE) at Delhi Public School, Vijayawada, Andhra Pradesh, India, participated in and completed the guided artificial intelligence project undertaken with Fervid Smart Solutions Private Limited.

PROJECT TITLE

AI-Powered Student Performance Prediction and Learning Support System

Domain: Artificial Intelligence and Machine Learning

The project was designed to introduce the student to an end-to-end machine-learning workflow and to demonstrate how data-driven methods can be explored in an educational context. Under appropriate technical guidance, the student engaged with the following areas:

1. **Data preparation and understanding.** Reviewed a structured student-performance dataset, identified relevant fields, and explored data quality and preparation requirements.
2. **Exploratory data analysis.** Examined patterns in attendance, assessment scores, study activity, and prior academic performance.
3. **Feature engineering.** Selected and transformed relevant input variables to prepare data for machine-learning analysis.
4. **Machine-learning model development.** Explored classification models, such as Decision Tree and Random Forest, to estimate student performance categories or identify cases that may benefit from additional support.
5. **Model evaluation.** Reviewed model performance using appropriate evaluation measures, including accuracy, precision, recall, and a confusion matrix.
6. **Responsible interpretation.** Considered the limitations of model predictions and the importance of treating them as decision-support information rather than definitive judgements about individual students.
7. **Technical documentation.** Organised the project workflow, modelling approach, evaluation findings, and key observations into technical documentation.

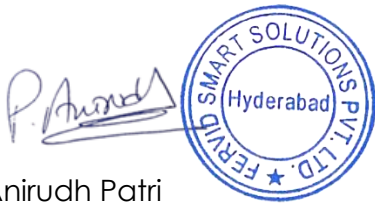
Through this participation, the student had the opportunity to develop a foundational practical understanding of data preparation, machine-learning concepts, model evaluation, and the interpretation of AI-generated outputs. The project also supported

the development of analytical thinking, structured problem-solving, and technical communication.

The Company acknowledges the student's participation and interest in artificial intelligence and wishes him continued success in his academic and technical learning.

Yours sincerely,

For Fervid Smart Solutions Private Limited



Anirudh Patri
Associate Manager
Project Management Office