



GALACTIC PROBLEM SOLVER

The NASA International Space Apps Challenge proudly presents this certificate to

Abdullah Mangrio

for outstanding participation and efforts to
solve challenges on Earth and in space

A stylized, handwritten signature in white ink, appearing to read "K. Gaddis".

Dr. Keith Gaddis

Program Scientist, NASA International Space Apps Challenge

Date

October 7-8, 2023



IN PARTNERSHIP WITH

