SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 of the Securities Exchange Act of 1934

April 2024

Commission File Number: 001-37925

GDS Holdings Limited (Registrant's name)

F4/F5, Building C, Sunland International No. 999 Zhouhai Road Pudong, Shanghai 200137 People's Republic of China (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F ⊠ Form 40-F □

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: April 29, 2024

GDS Holdings Limited

By: /s/ William Wei Huang Name: William Wei Huang Title: Chief Executive Officer