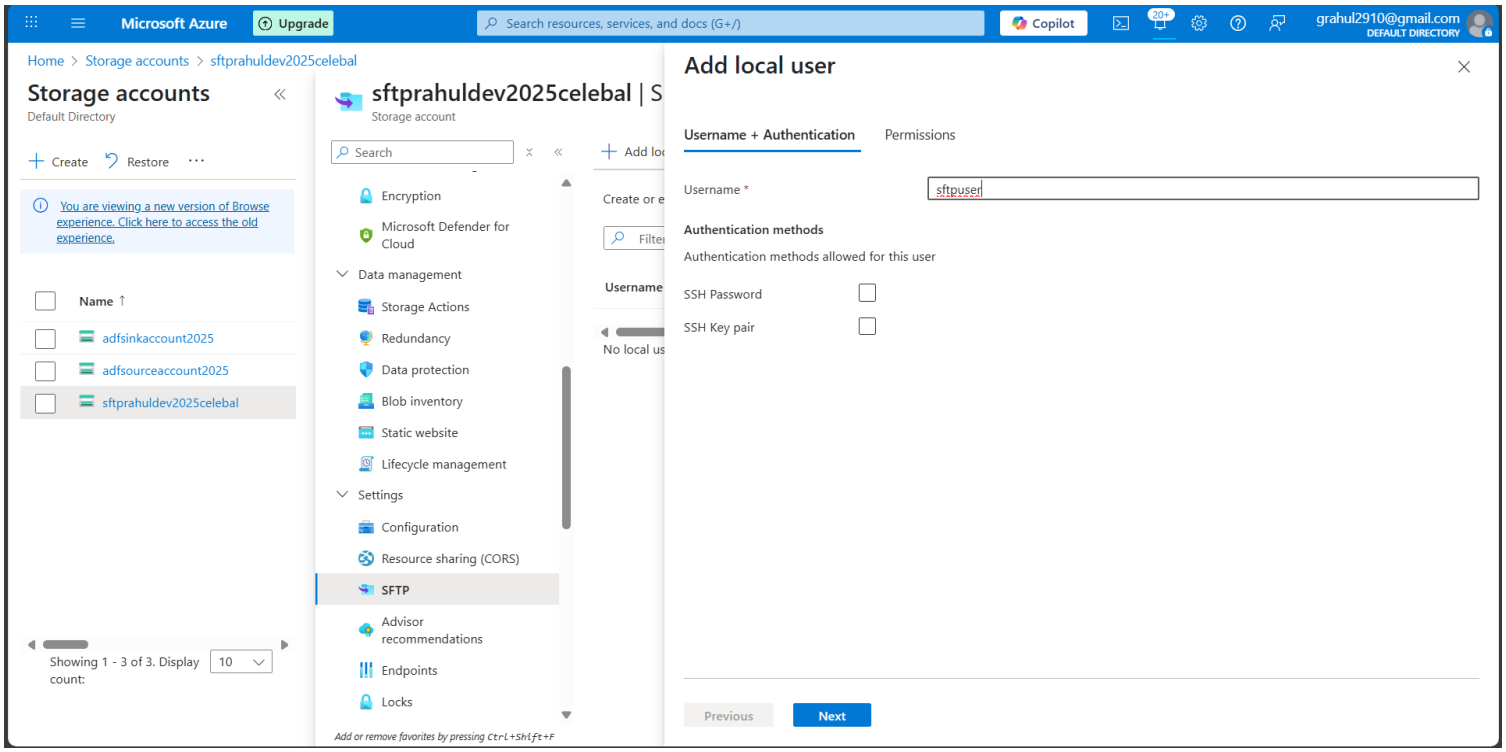
FTP/SFTP Server and Create an ADF Pipeline for Data Extraction

1. Set Up Azure SFTP Server on Storage Account

- Created an Azure Storage Account with hierarchical namespace enabled
- Enabled SFTP in the storage account
- Created a container named input-data
- Created a Local User with:
    - Username: sftpuser
    - Home directory: input-data
    - Permissions: Read, Write, List
    - Authentication type: Password
    - Saved the generated password



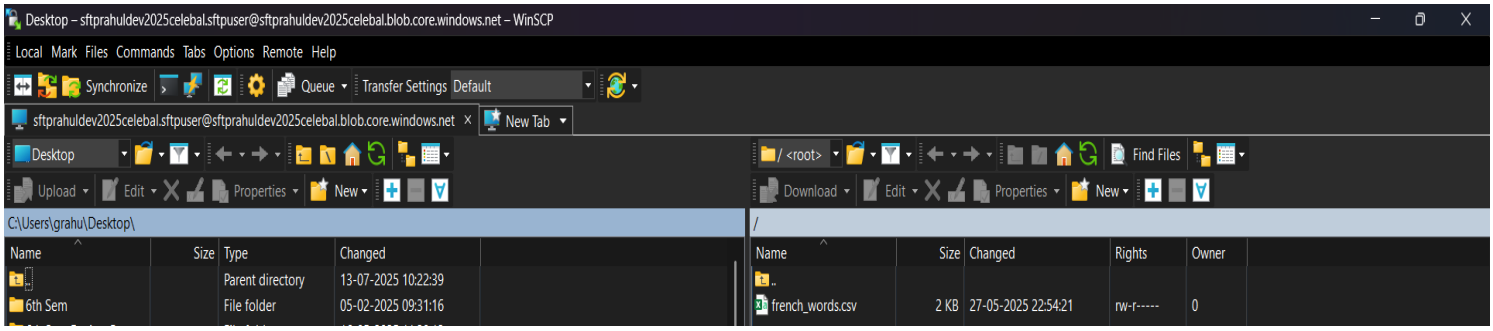
2. Tested SFTP Access with WinSCP

- Connected to:

sftp://sftprahuldev2025celebal.blob.core.windows.net

- Username format used:

- sftpuser@sftprahuldev2025celebal.blob.core.windows.net
- Port: 22
- Uploaded the test file: french_words.csv to /input-data/

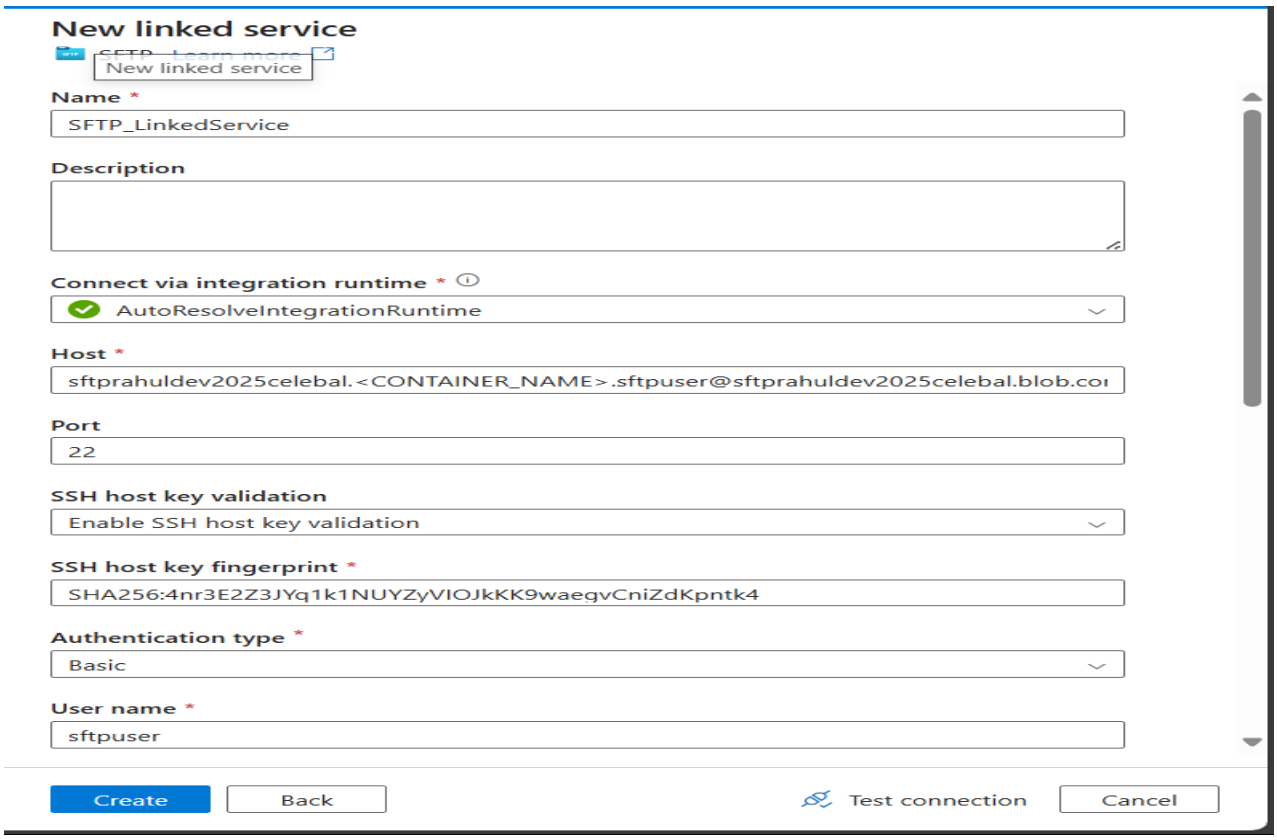


3. Created Azure Data Factory

- Created a new Data Factory instance and launched the Studio

4. Created SFTP Linked Service in ADF

- Type: SFTP
- Host: sftprahuldev2025celebal.blob.core.windows.net
- Port: 22
- Authentication: Basic
- Username: sftpuser@sftprahuldev2025celebal.blob.core.windows.net

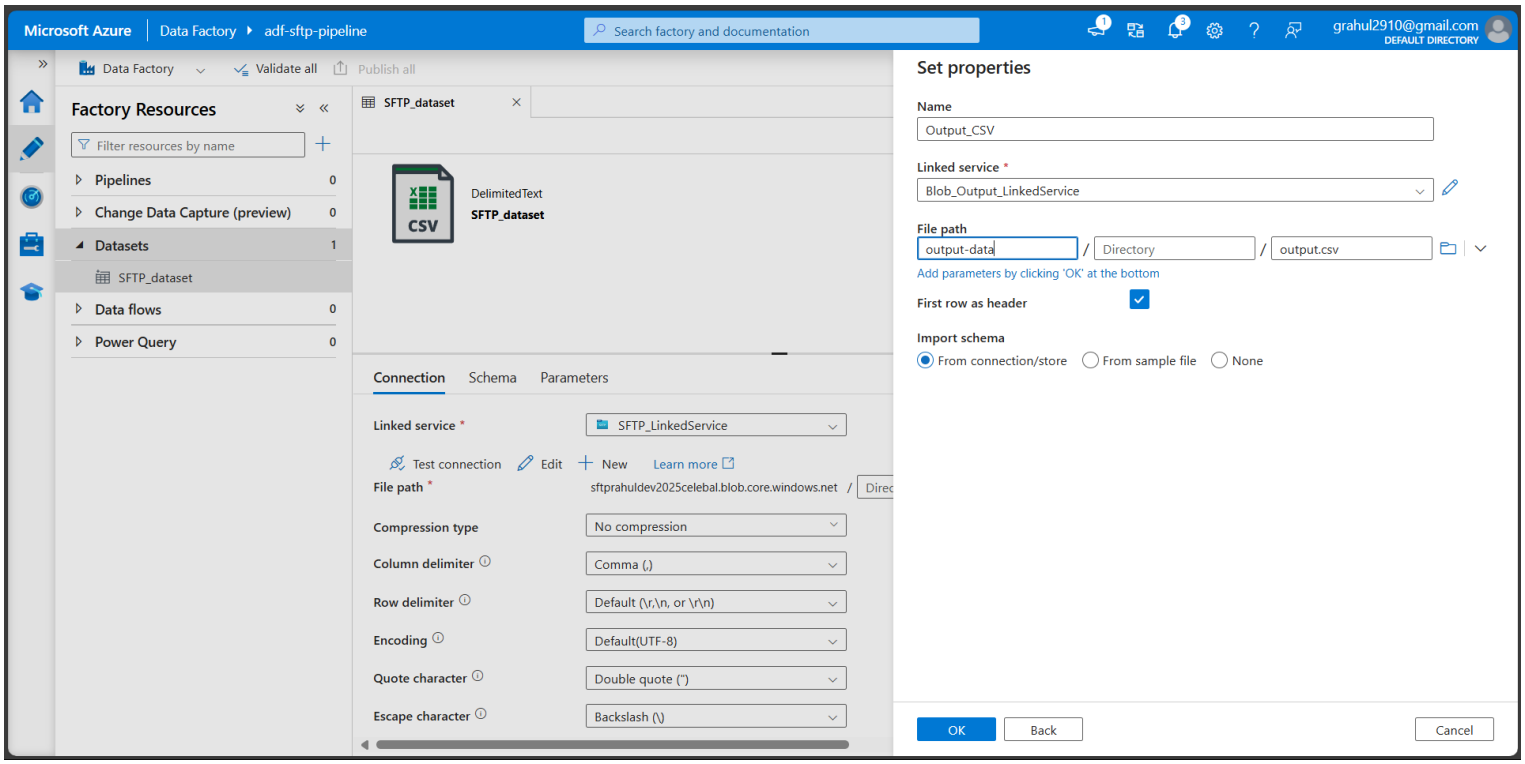


5. Created Source Dataset (SFTP)

- Type: DelimitedText
- Schema: From connection/store

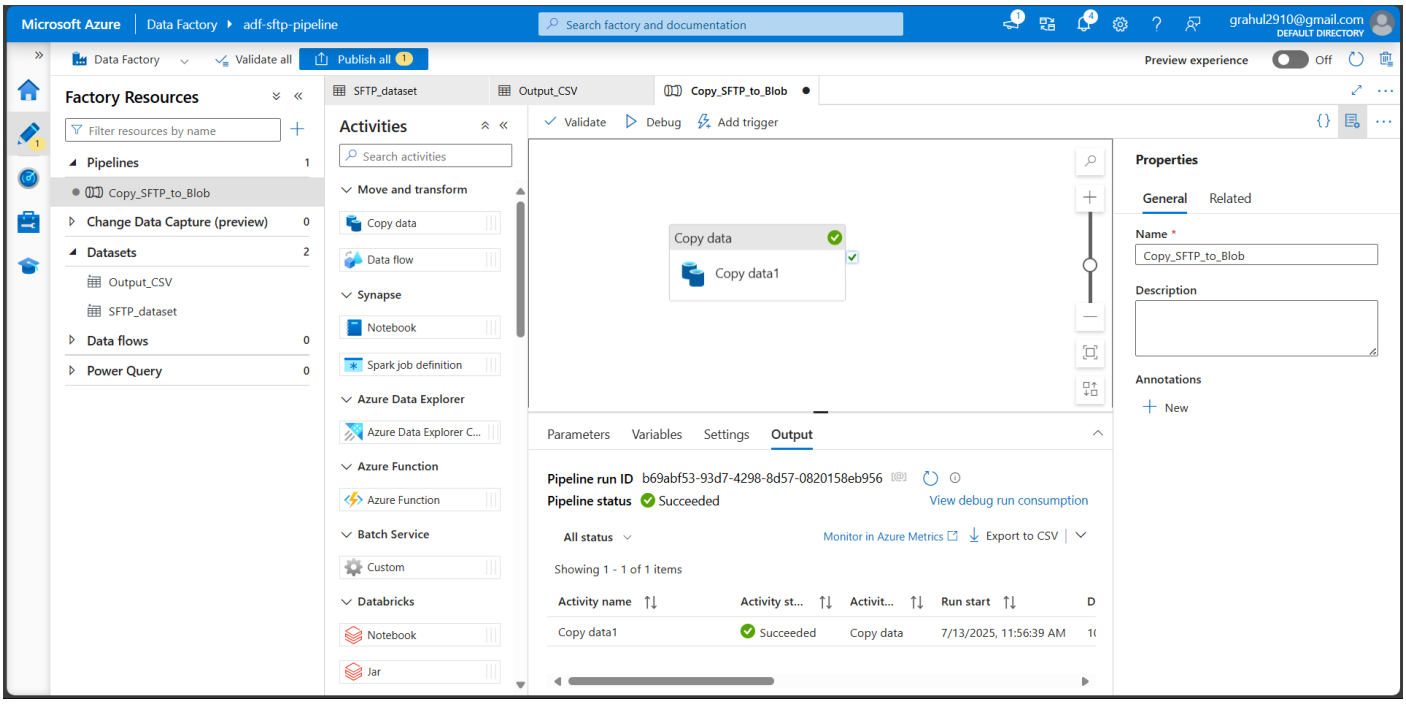
6. Created Sink Dataset (Blob Storage)

- Created another container: output-data
- Type: DelimitedText



7. Created ADF Pipeline

- Added Copy Data activity



8. Ran and Validated the Pipeline

- Clicked Debug to test the pipeline manually
- Pipeline ran successfully
- Verified that output.csv was created in the output-data container