



Certificate no: UC-d66640fa-24ed-4aec-b591-485dd0802032  
Certificate url: [ude.my/UC-d66640fa-24ed-4aec-b591-485dd0802032](https://ude.my/UC-d66640fa-24ed-4aec-b591-485dd0802032)  
Reference Number: 0004

CERTIFICATE OF COMPLETION

# Bash Mastery: The Complete Guide to Bash Shell Scripting

Instructors **Ziyad Yehia, Internet of Things Academy**

**Hala Mohamed Marzouk**

Date **April 26, 2023**

Length **12 total hours**