



University of Colorado

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Jun 30, 2021

**SOFIANE HAMLAOUI**

has successfully completed

**Proactive Computer Security**

an online non-credit course authorized by University of Colorado System and offered through Coursera

A handwritten signature in black ink, appearing to read 'Greg Williams'.

Greg Williams  
Lecturer  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/VK68DAMXGVH5](https://coursera.org/verify/VK68DAMXGVH5)

Coursera has confirmed the identity of this individual and their participation in the course.