

# Verified Certificate



A handwritten signature in black ink, appearing to read 'Rav Ahuja'.

Rav Ahuja

AI and Data Science Program Director

IBM

This is to certify that

**Vemula Rahul Bhushan**

successfully completed and received a passing grade in

**CS0111EN: Hardware and Operating Systems**

a course of study offered by IBM, an online learning initiative of IBM.



**Verified Certificate**

Issued April 30, 2024

**Valid Certificate ID**

525597a7e582454582eabde73216993e