



# CERTIFICATE *of* ACHIEVEMENT



Australian  
National  
University

This is to certify that

# Ashutosh Kumar Singh

successfully completed and received a passing grade in

## ANU-ASTRO3x: The Violent Universe

a course of study offered by ANUx, an online learning  
initiative of Australian National University through edX.

*P.J. Francis*

**Paul Francis**

Associate Professor  
Australian National University

*Brian Schmidt*

**Brian Schmidt**

Professor  
Australian National University

*Marnie Hughes-Warrington*

**Marnie Hughes-Warrington**

Deputy Vice-Chancellor (Academic)  
Australian National University

*R. Robinson*

**Richard Robinson**

ANU Online Lead  
Australian National University

VERIFIED CERTIFICATE  
Issued February 03, 2016

Verify the authenticity of this certificate at  
<https://verify.edx.org/cert/07a87cd154e74a4ba7db47bcbe577a2d>