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CERTIFICATE OF COMPLETION

# Python for Data Science and Data Analytics

Instructors **Jose Portilla**

**Arnav Agarwal**

Date **Nov. 5, 2022**

Length **25 total hours**

# State of Complete

What Arnav Agarwal has  
total hours of SQL- The  
SQL programming skills  
on April 7, 2021

Hasin Maru  
Team Manager











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Nov 20, 2022

**Arnav Agarwal**

has successfully completed

**Prototyping and Design**

an online non-credit course authorized by University of Minnesota and offered through  
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Loren Terveen, Haiyi Zhu, Lana Yarosh, Dr. Brent Hecht, Joseph A Konstan  
Department of Computer Science and Engineering  
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