



5 Courses

Object Oriented  
Programming in Java

Data Structures and  
Performance

Advanced Data Structures  
in Java

Mastering the Software  
Engineering Interview

Capstone: Analyzing (Social)  
Network Data



May 24, 2021

**Hamad Lal Muhammad Khan Khushik**

has successfully completed the online, non-credit Specialization

# Object Oriented Java Programming: Data Structures and Beyond

This Specialization covers intermediate topics in software development. Upon completion of this Specialization this learner has built significant programming projects which use object-oriented programming principles as well as data structures and algorithms for organizing large amounts of data in a way that is both efficient and easy to work with. These projects use real data (from social networks and other domains) and explore data visualization, prediction, interactivity, and more. By practicing critically evaluating code as well as presenting career goals and project achievements, this Specialization has helped this learner hone technical communication skills to prepare for job interviews and collaborative work as a software engineer.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

*M. Minnes*  
*Christine Alvarado*

Mia Minnes, Assistant  
Teaching Professor; Leo  
Porter, Assistant  
Teaching Professor;  
Christine Alvarado,  
Associate Teaching  
Professor  
Computer Science and  
Engineering  
University of California,  
San Diego

Verify this certificate at:  
[coursera.org/verify/specialization/DHDJAU7N7J4A](https://coursera.org/verify/specialization/DHDJAU7N7J4A)