

**Carnegie Mellon University**

School of Computer Science

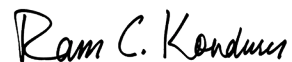
Executive Education

This document confirms that

**Charles Kilpatrick**

has successfully completed the program

**Natural Language Processing**



*Ram C. Konduru*

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Ram Konduru  
Director of Executive Education



*David Mortensen Alan Black*

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Prof. David R. Mortensen & Prof. Alan Black  
Department of Computer Science