

Cornell University

This is to acknowledge that

Leonid Shpaner

has completed the certificate program entitled

Designing and Building AI Solutions

This Nineteenth Day of February, 2025
through eCornell

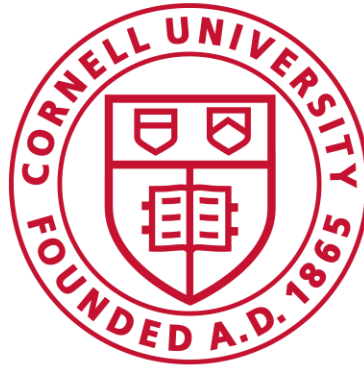
A handwritten signature in black ink that reads "Vishal Gaur".

Vishal Gaur, Anne and Elmer Lindseth Dean

Samuel Curtis Johnson Graduate School of Management



Cornell University



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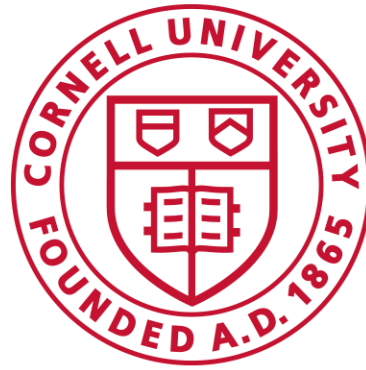
Applied Machine Learning and AI

This Eleventh Day of July, 2024
through eCornell.

A handwritten signature in black ink, reading "J. Gregory Morrisett".

J. Gregory Morrisett, Jack and Rilla Neafsey Dean and Vice Provost
Cornell Tech
Cornell University

Cornell University



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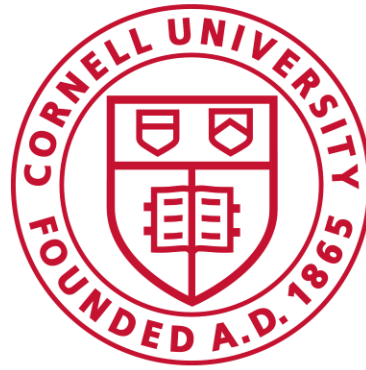
Natural Language Processing With Python

This Seventh Day of March, 2024
through eCornell.

A handwritten signature in black ink, appearing to read "KB" followed by a stylized flourish.

Kavita Bala, Dean
Cornell Ann S. Bowers College of Computing and Information Science
Cornell University

Cornell University



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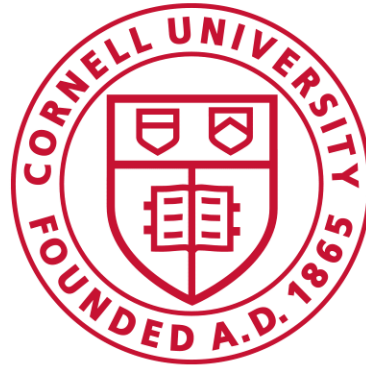
Data Management in SQL

This Twenty-Eighth Day of February, 2023
through eCornell.

A handwritten signature in black ink, reading "Mark W. Nelson". The signature is written in a cursive style with a horizontal line underneath.

Mark W. Nelson, Anne and Elmer Lindseth Dean
Samuel Curtis Johnson Graduate School of Management
Cornell University

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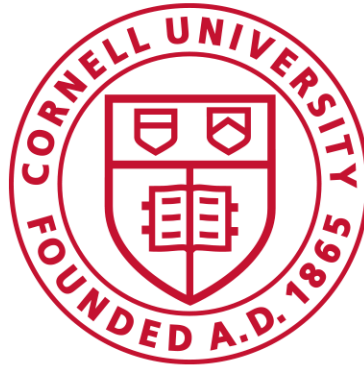
Data Science

This Second Day of January, 2023
through eCornell.

A handwritten signature in blue ink, appearing to read "Lynden A. Archer", written over a horizontal line.

Lynden A. Archer, Joseph Silbert Dean
College of Engineering
Cornell University

Cornell University



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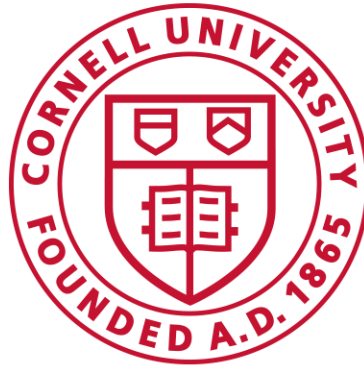
Data Science with SQL and Tableau

This Seventeenth Day of December, 2020
through eCornell.

A handwritten signature in black ink, reading "R. Knepper", positioned above a horizontal line.

Richard Knepper, Director
Center for Advanced Computing
Cornell University

Cornell University



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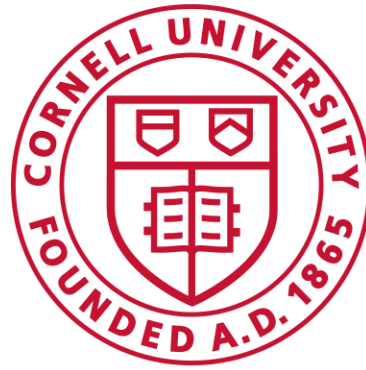
Python for Data Science

This First Day of December, 2020
through eCornell.

A handwritten signature in black ink, reading "R. Knepper".

Richard Knepper, Director
Center for Advanced Computing
Cornell University

Cornell University



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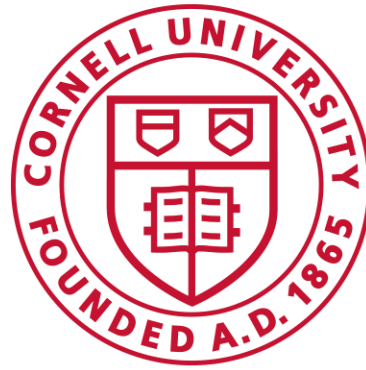
Data Visualization in Tableau

This Twenty-Eighth Day of May, 2020
through eCornell.

A handwritten signature in black ink, reading "R. Knepper".

Richard Knepper, Director
Center for Advanced Computing
Cornell University

Cornell University



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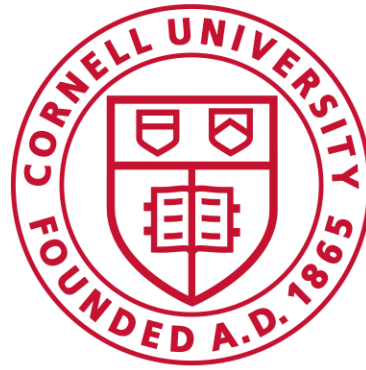
Data Analytics in R

This Twenty-Second Day of April, 2020
through eCornell.

A handwritten signature in black ink, reading "A. Karolyi".

Andrew Karolyi, Charles Field Knight Dean
SC Johnson College of Business
Cornell University

Cornell University



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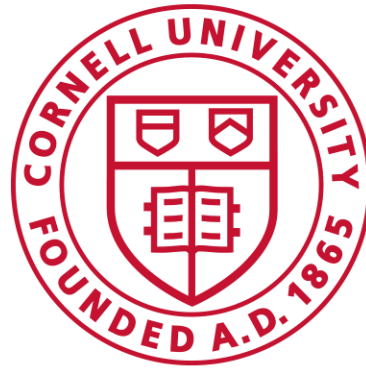
Software Development in Python

This Twenty-Second Day of March, 2020
through eCornell.

A handwritten signature in black ink, appearing to read "KB" followed by a stylized flourish.

Kavita Bala, Dean
Cornell Ann S. Bowers College of Computing and Information Science
Cornell University

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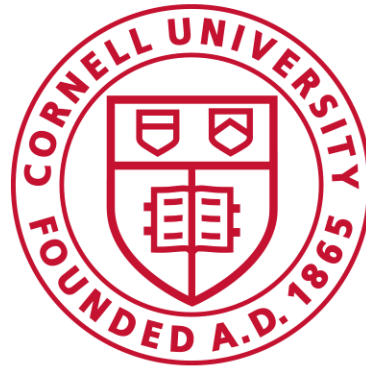
Blockchain for Business

This First Day of May, 2019
through eCornell.

A handwritten signature in black ink, reading "J. Gregory Morrisett". The signature is written in a cursive style with a horizontal line underneath.

J. Gregory Morrisett, Jack and Rilla Neafsey Dean and Vice Provost
Cornell Tech
Cornell University

Cornell University



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Data Analytics

This Seventh Day of September, 2018
through eCornell.

A handwritten signature in black ink, appearing to read 'A. Karolyi', is positioned above a horizontal line.

Andrew Karolyi, Charles Field Knight Dean
SC Johnson College of Business
Cornell University