



Aug 26, 2023

Thomas Ringling

has successfully completed

Linear Algebra for Machine Learning and Data
Science

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in black ink that reads 'Luis G Serrano'.

Luis Serrano, Instructor, Serrano Academy. Anshuman Singh, Curriculum Product Manager, DeepLearning.AI. Elena Sanina, Curriculum Engineer, DeepLearning.AI. Magdalena Bouza, Curriculum Developer, DeepLearning.AI. Obed Nsiah, Curriculum Developer. Lucas Coutinho, Curriculum Developer, DeepLearning.AI

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Coursera has confirmed the identity of this individual and their
participation in the course.