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# VINITA SILAPARASETTY

## — Education —

**Master of Data Science:** September 2020- August 2021

Newcastle University - Newcastle, Upon Tyne

**Bachelor of Science:** June 2014 - January 2019

Garden City University

## — Experience —

• Data Science Instructor - July 2020 - Present

Coursera

• Freelance Data Science Trainer - January 2020- Present

Jigsaw Academy, India

• Data Scientist (Internship) - February 2016 - December 2017

Trendwise Analytics, India

**Linkedin:** https://www.linkedin.com/in/vinita-silaparasetty/

# — Educational Content —

**Coursera Guided Projects Author and Instructor:**

https://www.coursera.org/instructor/~27241062

Overall enrolments: 25k + students

**Course Titles:**

“Python World Map Geovisualization Dashboard using Covid Data”

“Python Geospatial Data Analysis”

“Pandas Python Library for Beginners in Data Science”

“Intermediate Pandas Python Library for Data Science”

“Decision Tree and Random Forest Classification using Julia”

“Hand Gesture Recognition using Tensorflow and Keras”

“Image Colorization using Tensorflow and Kears”

“Julia for Beginners”

“Linear Regression and Multiple Linear Regression in Julia”

“Logistic Regression for Classification using Julia”

“Python OpenCV Motion Detection”

**Eduonix Course Author and Instructor:**

https://www.eduonix.com/i/vinita-silaparasetty

Course Title:

“Data science- Python for Machine Learning in Data

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Science (Beginners)”

Overall enrolments: 649 Students

## — Technical Skills —

- Python (Numpy, Scipy, Pandas, Matplotlib,
- Seaborn, Scikit-Learn)
- Spark (MLlib, Pyspark)
- R (tidyverse, ggplot2, MICE)
- Julia
- TensorFlow, Keras
- Git, docker, Amazon web services, MongoDB,CAdvisor
- Tableau, Power Bi
- Data mining, data wrangling, data exploration,

  data visualisation & web scraping.
- Working with CNNs, RNNs, LSTMs, GANs,
- DCGANs and other neural networks.
- Machine Learning and Deep Learning Concepts

## — Publications —

• "Deep Learning Projects using Tensorflow 2 ; Neural Network Development with Python and Keras ” published by Apress New York:

https://www.apress.com/gp/book/9781484258019

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• Awarded "Best Paper" for my paper titled "Machine Learning and Blockchain for Fraud Detection: Employing Artificial Intelligence in the Banking Sector" at the "International Knowledge Transfer Conclave".

https://github.com/VinitaSilaparasetty/Blockchain-ml

• Awarded "Best Paper" for my paper titled "Python vs R for Machine Learning" at the " International Conference on Security."

https://github.com/VinitaSilaparasetty/Python-vs-R-for-Machine-Learning

## — Speaking Engagements —

• Invited as a Speaker to the " AI and Big Data Conference for Data Engineers ".
https://github.com/VinitaSilaparasetty/EDA-with-Python-for-ABCDE-Conference
• Meetups Co-organizer / Speaker : "Bangalore Artificial Intelligence Meetup":
https://www.meetup.com/meetup-group-lPLKxbnz/members/221044272/
• Meetups Co-organizer / Speaker : AI for Women
https://www.meetup.com/AI-for-Women/members/?op=leaders

## — Patent —

Design for a lightweight Virtual Reality Headset that can double as a headphone set.

Use cases include:

Gaming/Recreation, Pilot Training, Military Training, Medical Training, Classroom Teaching Aid, Interior Designing

Application Number: 307907

https://ipindiaservices.gov.in/DesignApplicationStatus

## — Media —

• Top Author 2018 on Quora: https://www.quora.com/profile/Vinita-Silaparasetty

• Github (Arctic Vault Contributor) : https://github.com/VinitaSilaparasetty

• Academia.edu: https://independent.academia.edu

• Medium: https://medium.com/@vinitasilaparasetty

• Appeared in Analytics Vidhya: https://www.analyticsvidhya.com/blog/2019/06/what-does-data-scientist-do-daily-basis-top-5-quora-answers/

## — Certifications —

• Andrew Ng's Machine Learning - Stanford University

https://www.coursera.org/account/accomplishments/records/EKNAVPYXXVWH

• Applied Machine Learning in Python - University of Michigan

https://www.coursera.org/account/accomplishments/records/BYULAAV6R282

• Andrew Ng's Neural Networks and Deep Learning - Deep Learning.ai

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https://www.coursera.org/account/accomplishments/records/G2M246968NN7

• Deep Learning with TensorFlow - IBM Cognitive Class

https://courses.cognitiveclass.ai/certificates/4283ebaecd9441d0bfeeaf387b0e44e6

• Spark MLlib -IBM Cognitive Class

https://courses.cognitiveclass.ai/certificates/19fe846c13ff4cb0b2236aa81378ca81

• R Programming - Johns Hopkins University

https://www.coursera.org/account/accomplishments/records/Q5WLVUAT8KJJ

• Mathematics for Machine Learning - Imperial College London

https://www.coursera.org/account/accomplishments/specialization/certificate/QLZYMZGYTV9Y

• Mathematics for Machine Learning: Multivariate Calculus - Imperial College London

https://www.coursera.org/account/accomplishments/records/WJ7QNQRBD2FU

• Mathematics for Machine Learning: PCA - Imperial College London

https://www.coursera.org/account/accomplishments/records/JGCEGBCSTUS7

• Applied Text Mining using Python - University of Michigan

https://www.coursera.org/account/accomplishments/records/CPENHAF5Q53J

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