

# Vinay D. Kale

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## EXPERIENCE

### Capital One, NYC, US — Senior Data Scientist

FEB 2019 - PRESENT | CARD AI TEAM

Worked on building scalable new generation end-to-end ML models for automation of account valuation and risk assessment

Led the design refactor of internal data science libraries following standard design principles while managing multiple stakeholders.

Built a scalable monitoring framework of compute and visualization tasks, handling big data for different valuation model builds

### Spotify, NYC, US — Data Scientist Intern

JUNE 2018 - AUG 2018 | PRODUCT INSIGHTS TEAM

Developed a fan-artist pair segmentation pipeline which quantifies affinity of any user towards an artist, covering over 16B user-artist pairs.

Analyzed how a new feature affects a typical fan-artist journey by designing appropriate AB tests and conducting statistical analysis

### ZS Associates, Pune, India — Data Scientist

JULY 2016 - JULY 2017

Built a novice AI Doctor API using patient data vector embeddings (similar to Word2Vec) trained on sequential big medical data.

Created a marketing-mix based spend analyzer data pipeline which calculates impacts of different marketing campaigns

## EDUCATION

### Columbia University, NY

M.S. Data Science AUG 2017 - DEC 2018

Probability Theory, Statistical Inference and Modeling, Machine Learning, NLP, Deep Learning, Algorithms, Data Storytelling

### Indian Institute of Technology Madras, Chennai

B.Tech in Mech. Engg, M.Tech in Product Design AUG 2011 - MAY 2016

## PROFILE

vinaykale64@github.io

## SKILLS

### Language

Python, R, SQL, Spark,  
Hive, Scala, Julia, C, C++,  
MATLAB, LaTeX, MapReduce

### Tools

Dask, Tensorflow, PyTorch,  
Keras, Git, Plotly, Tableau,  
Django, Dash, RShiny, AWS,  
GCP, Microsoft Azure,  
Snowflake, Jenkins, Travis,  
Docker, Airflow, Cookiecutter,  
MS Office, JIRA

## VOLUNTEERING AND TEACHING EXPERIENCE

### Pydata NYC Conference 2019

● Part of organizing committee ● Reviewed the proposals for talks and poster sessions ● Lead the effort of the PyData Diversity Scholarship Initiative

### Applied Machine Learning

COMS 4995 Spring 2018  
Teaching assistant

### Applied Deep Learning

COMS 4996 Fall 2018  
Teaching assistant