

# SRIRANJAN SRINIVAS, SRIBHASHYAM

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## EDUCATION

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### UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

*Master of Science in Business Analytics (STEM Eligible)*

Expected December 2020

- Lasso & Ridge Regression, Generalized Linear Models, Linear Discriminant Analysis, Decision Trees, Random Forests, SVM's, Inferential Statistics & AB Testing, Time Series Forecasting

### COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY

Chennai, India

*Bachelor of Engineering in Computer Science*

May 2019

- AI, Machine Learning, Big Data Analytics, Natural Language Processing, Data Structures & Algorithms

## TECHNICAL SKILLS

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**Languages:** Python, SQL, C, R, Java, C++

**Data Science:** Deep Learning (CNN, LSTM), Advanced Regression, Gradient Boosted Trees, SVM's, A/B Testing, QA Testing

**Libraries:** TensorFlow (Keras), PyTorch, Sagemaker, MLlib, sklearn, NumPy, scipy, stats, matplotlib, seaborn, tqdm

**Production & Deployment:** AWS S3, SageMaker, PySpark (Spark), Kafka, git, Hive, MapReduce, FiveTran

**Databases:** RedShift, Snowflake, Aurora, MySQL, MemSQL

**Other:** Bash/Shell scripting, Excel, Dashboarding with Tableau, Agile & Scrum Ready, Storytelling, Rmarkdown, Jupyter

## DATA SCIENCE PROJECTS

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### LOS ANGELES FIRE DATA ANALYSIS

#### Feature Engineering, Data Modeling, Visualization

- Conducted an exploratory data analysis of fires in Los Angeles with ~ 5M rows raw data from data.lacity.org.
- Cleaned timestamps into the required format, extracted yearly and quarterly data from incident IDs.
- Modelled features based on timestamps, creating new variables providing insights on the responsiveness of every district.
- Statistically plotted Top 3 underutilized and overutilized fire departments with suggested changes.

### HOUSING PRICE PREDICTION (KAGGLE)

#### Data Modeling, Machine Learning

- Built a model to predict the price of a house with the Gradient Boosted Trees algorithm by performing appropriate feature modeling and preprocessing involving log transforms and normalizing the data.
- Pipelined the entire procedure for stability and visibility, using the sklearn.pipeline module.
- Achieved a RMSLE score of 0.13, with a pipelined model, ranking in the top 70<sup>th</sup> percentile.

### SOCCER PLAYER AND TEAM PERFORMANCE ANALYSIS

#### Data Scraping & Cleaning, Visualization

- Analyzed and visualized transfer targets based on attacking, passing and defensive traits exported from Wyscout, using Python to compare strengths and weaknesses of players and rank them accordingly.
- Scraped injury history of teams from transfermarkt using Python and converted into structured databases. Predicted which month led to most injuries, average recovery time, and visualized said statistics.

## PROFESSIONAL EXPERIENCE

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### SAMSUNG RESEARCH

Bengaluru, India

*Software(Data) Engineer Intern*

Summer 2018

- Set up Open Network Automation Platform on local server on top of Openstack, using docker containers, laying the foundation for dynamically scalable ML applications based on resource requirements.
- Upgraded the ETL pipeline by deploying Apache Kafka for streaming data to the microservice.
- Converted existing network services into microservices using Java, transitioning products into a more service-oriented platform, preparing them for 5G in the process.

## CERTIFICATIONS

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- Convolutional Neural Networks in TensorFlow
- Applied Plotting, Charting & Data Representation in Python
- Japanese N5 Proficiency

## ADDITIONAL

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- Hobbies include playing and watching soccer, learning about clinical psychology
- Continued analysis of soccer projects on twitter @fbtyics
- Managed events for entrepreneurship and techno-management fests, organized activities involving logistics, created problem statements, and led team-mates.