

# Smitha Kannanaikkal

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## EDUCATION

- University of California - Irvine, CA** 08/2021  
Master of Science in Business Analytics  
**Relevant coursework:** Machine Learning for Analytics, Data and Programming for Analytics, Applied Forecasting, NLP, Big Data Management
- Aegis School of Data Science, India** 06/2018  
PGP in Data Science, Business Analytics and Big Data certified by IBM  
**Relevant coursework:** Statistics for Data Science, Analytical Visualization
- University of Mumbai, India** 06/2013  
Bachelor of Engineering in Electronics & Telecommunication

## SKILLS

Hands on experience with Data Visualisation, Machine Learning, NLP, Statistical Analysis, Communication.

**Tools** - Python, R, SQL, Tableau, Excel, Big Data, git.

**Packages** - ggplot, pandas, numpy, scikit-learn, nltk, matplotlib, TensorFlow.

## PROFESSIONAL EXPERIENCE

- Edwards Lifesciences. Irvine, CA** 01/2021 - 06/2021  
**Student Analyst**  
Partnered via UC Irvine Capstone Course to improve the key Quality processes.
- Using the NLP model extracted word embeddings and performed text similarity using distance metrics.
  - Designed and created an interactive dashboard using Tableau to highlight the critical insights.
- Teradata India Pvt. Ltd. Mumbai, India** 07/2018 - 08/2019  
**Junior Data Scientist**  
Developed and prototyped different machine learning models.
- Developed an Auto-Labeling tool for images by fine tuning a pre-trained YOLO Model to predict labels, reducing human labelling time from 80 secs to 9.6 seconds.
  - Developed and implemented an algorithm to detect vehicle turns including direction and duration based on the patterns observed from the sensor data.
  - Prototyped an LSTM-Autoencoder to be used for Anomaly detection on time-series data.
- Capgemini Technology Services India Ltd. Mumbai, India** 06/2013 - 07/2017  
**Software Quality Analyst**  
Collaborated in the entire testing life cycle from requirement analysis, test case writing, execution, validation and defect reporting for a leading US based insurance client.
- Led a team of three members, for a new complex project, right from its inception until its successful execution.
  - Introduced reusable test cases which helped reduce testing time by 20%.
  - Awarded Customer Delight Award: for excellent client interaction both local and overseas.
  - Performed complex SQL query to extract policies.

## ACADEMIC PROJECTS

- Intelligent Vision** 05/2018  
Inspired by a real problem experienced by my family related to a missing person, created a solution -
- Given a sample CCTV video and an image, detect frames where in the image occurs with a probability of a match.
  - Extracted face features using a pre-trained model (keras-vgg face), performed clustering and similarity matching to obtain results.