

Prithvi Shetty

Data Science | Data Visualization | Data Analytics
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TECHNICAL COMPETENCIES

- Programming Languages and Databases: **Python**, SQL, R, MATLAB
- Packages/OS: **TensorFlow**, **Keras**, **Pandas**, **NumPy**, **Scikit-learn**, R packages (forecast, ggplot2), MS Office
- Tools: **Tableau**, **Teradata**, Kibana, Cognos, Kubernetes, Azure, Talend, PowerBI, Qlikview, SSIS, SSMS, Visio

EDUCATION

University of Washington, Information School, Seattle, WA (3.83/4.0) June '19

Master of Science in Information Management -- Specialization in Data Science & Analytics. Relevant Coursework: Artificial Intelligence for Engineers, Data Science III – Scaling, Applications & deep learning, Data Science II- Machine Learning & Econometrics, Data Science I- Predictive Data Modeling

University of Mumbai, Mumbai, India June '16

Bachelor of Engineering -- Relevant Coursework: Random Signal Analysis(Statistics), Object Oriented Programming, Structured Programming Approach, Data Compression and Encryption, Business Communication and Ethics.

PROFESSIONAL EXPERIENCE

SAP, UX Data Scientist, India June '18-Current

- Built a **deep learning** model implementing **Recurrent Neural Networks (LSTM)** for classifying over 100,000 user feedback comments into multiple classes which saves 2 weeks of time and efforts for every month with accuracy of **91.23%**.
 - Developed a **machine learning application** using **Python** Flask which automatically generates themes from feedback comments and translates comments from over 80 languages.
 - Removed personal information such as names, email addresses from comments using machine learning with an accuracy of **83.8%**.
 - Awarded the **best intern of the year 2018**.
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PROJECTS AND RELEVANT EXPERIENCE

- **2018: Car detection and facial recognition using deep learning :**

Toolkit: Python (Keras, TensorFlow, Pandas Package, Numpy, matplotlib)

Summary: a) The first project focuses at using object detection using **deep Convolutional Neural Networks** for detecting cars and thus, enabling a self-driving car to automatically classify objects and cars in the route.

b) The second project is responsible for one-shot facial recognition using **ConvNet model** (FaceNet) by computing the similarity between the stored image and the image taken.

- **2018: Sentiment analysis of Ebola disease and feature reduction using machine learning:**

Toolkit: Python (Scikit learn, Pandas Package, Numpy, matplotlib), Tableau

Summary: This research project concentrates at **text mining**, cleaning of more than 1 million records and performing sentiment analysis to understand the social drivers of the Ebola epidemic. The final step is to improve the **accuracy and ROC**, eliminating redundant features using feature reducing algorithms (**PCA**).

- **2018: Airbnb price predictor using machine learning:**

Toolkit: Python (Pandas Package), R (lm, glm, ggplot)

Summary: Aimed at fitting a machine learning model (**linear regression/logistic regression**) to predict the pricing of over 100k rooms in Airbnb and performing an exploratory data analysis, text analysis to find the features affecting the price.

PUBLICATIONS & CERTIFICATION COURSES

- Certified in the **Deep Learning** specialization by **deeplearning.ai** which helped me implement **Convolutional Neural Networks**, **Recurrent Neural Networks** and deep neural networks using **TensorFlow** and **Keras**.
- Published a technical paper for my project involving application of **Principal Component Analysis**, **OCR** and **RDBMS using SQL** in the journal of International Journal of Engineering and Science Invention (see <http://www.ijesi.org/v5i10.html>)