

# Rakesh Bhimappa Mali

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## EDUCATION

**University of Southern California - Los Angeles, CA**

**August 2017 - May 2019**

*Master of Science, Computer Science*

**Visvesvaraya Technological University – Bangalore, India**

**September 2012 - June 2016**

*Bachelor of Engineering, Computer Science*

## EXPERIENCE

**Computer Science and App Design Summer Faculty, UCLA**

**May 2018 - July 2018**

- Developed iOS application development curriculum and lesson plans for Oxbridge at UCLA program.
- Conducted practical sessions and successfully taught the curriculum by demonstrating 8 applications.
- Provided individual mentoring and technical guidance to students.

**Project Trainee Intern, ITC Infotech India Limited**

**October 2016 - July 2017**

- Remodeled a deep neural network model for easier access of required information; liaised with 15 employees to understand and implement deep learning solutions in NLP and Image Processing.
- Increased outsourcing ventures by 15% through persuasive demonstration of innovative AI solutions.

## PROJECTS

**Hybrid Model for Fake News Prediction**

(<https://github.com/rakeshbm/Hybrid-Fake-News-Model>)

- Devised Logistic Regression, Gradient Boosting, and MLP Neural Network algorithms as a pipeline model to detect fake news articles with 93% accuracy.
- Incorporated vectorization of input data, feature engineering, sentiment analysis, latent dirichlet allocation, and stance features extraction to identify predictive features.

**Travel and Entertainment Search Web App using AWS**

(<http://rmali.us-east-2.elasticbeanstalk.com>)

- Designed an AWS hosted serverless website with Node.js to search and display place details.
- Deployed Geolocation API, Google Maps Geocoding API, Google Places API, Twitter Web Intent, and Yelp Fusion API to facilitate various services.

**Query-based Information Extraction System using Torch**

(<https://github.com/rakeshbm/QA-using-Torch>)

- Improvised an End-to-End Memory Network (MemN2N) with attention mechanism to build a Question Answering model with 93% accuracy.
- Resolved the difficulty of accessing required information from the organization's employee portal.

**Similar Queries Detection for Quora**

(<https://github.com/rakeshbm/Query-Similarity>)

- Built a Bidirectional LSTM (BiLSTM) model using Tensorflow to identify duplicates in Quora data corpus.
- Extended the model to support Gated Recurrent Unit and achieved an accuracy of 83%.

**Minor Projects:**

(<https://github.com/rakeshbm?tab=repositories>)

Naive Bayes model and Perceptron classifier for Hotel Reviews classification (Python), Inverted Index generation using Hadoop (Java), Web indexing using Apache Solr, Hypervideo Authoring tool (Java).

## OTHER EXPERIENCES

**Team Supervisor, USC Bookstores - Los Angeles, CA**

**January 2018 - Present**

- Supervised campus store activities by coordinating the workflow to ensure consistent levels of service.
- Trained newly hired student employees and spearheaded a diverse group team members.