

# Rakesh Bhimappa Mali

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## EDUCATION

**University of Southern California - Los Angeles, CA**  
*Master of Science, Computer Science*

**August 2017 - May 2019**

**Visvesvaraya Technological University – Bangalore, India**  
*Bachelor of Engineering, Computer Science*

**September 2012 - June 2016**

## EXPERIENCE

**Computer Science and App Design Faculty, UCLA - California**

**June 2018 - August 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.
- Established a collaborative learning environment by building a rapport between international students.

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

**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 various application domains.
- Increased outsourcing ventures by 15% through persuasive demonstration of innovative AI-based solutions to Clients.

## PROJECTS

**“It’s Fake News!” - News Summary Extractor and Authenticity Checker**

*Language: Python; Libraries: numpy, nltk, scikit-learn*

- Developed a feature extraction based machine learning model with 94% accuracy to judge the sincerity of the input statement.
- Extended the model to accept a search keyword, scrap articles from any news website, summarize the content, and evaluate the veracity score.

**Entertainment Event Search using AWS**

*Web Technologies: Node.js, Ajax, Angular, Bootstrap, jQuery, HTML5, JSON*

*APIs: Ticketmaster, Google Custom Search, Geolocation, Spotify, Songkick, Twitter*

- Designed a website with Node.js on the server side to display entertainment events and the event details.
- Implemented HTML5, jQuery, Bootstrap, and Angular on the client side for various functionalities such as storing “favorites”, animation, and responsive design.

**Inverted Index based Document Retrieval system using Google Cloud Dataflow**

*Languages: Python, Java*

- Generated an Inverted Index for over 5 GB input data using a parallel, distributed MapReduce algorithm on a cluster.
- Created a simple web interface to match and retrieve documents based on the input query.

**Query-based Information Extraction system using Deep Learning**

*Language: Lua; Framework: Torch (GPU version); Dataset: Facebook’s bAbI*

- Devised a Question-Answer deep neural network model with 93% accuracy for information retrieval.
- Resolved the difficulty of accessing required information from the organization’s employee portal.

## 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.
- Spearheaded a diverse group of 15-20 team members on a wokday using efficient management skills.