

# Keith Rebello

## Address:

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## Education:

### Symbiosis Center for Distance Learning, Pune India

7/20

- Currently pursuing a Post Graduate Diploma in School Counseling (First Semester)
- Covering Subjects such as Foundations of Mental Health and Introduction to Developmental Psychology

### MCT's Rajiv Gandhi Institute of Technology, Mumbai, India

8/16-6/20

- Currently pursuing a Bachelor of Engineering in Information Technology (Final Semester).
- Overall GPA 8.2/10.0; Major GPA 8.8/10.0

## Experience:

### Internship at Discountshop.com/iUrbo, Connecticut, USA/Amsterdam

02/01-06/05 '18

- Work from home internship that provided exposure to data analytics in ecommerce namely primary research, processing, and presentation.
- Conducted various kinds of research in global markets, for wholesale and retail sellers, in 10 countries across continents and performed inventory management for product catalogues.

## Publications:

- Energy-efficient face recognition authentication system using human detection IoT modules(IEEE) 06/20
- Emotionally Intelligent Artificially Intelligent Virtual Companion (IJREAM) 05/20

## Manuscripts in Progress:

- A Graph Based Transfer Learning Approach for Neural Network Based Conversational Agents
- Factual Vs. Non-Factual Question-Answering Classification and Dataset.
- MYK: A Graph Based Emotional Intelligent Long-Term Virtual Dialogue Management System
- A Survey of Artificial General Intelligence Tools and Techniques
- A Review on Artificial General Intelligence Research

## Projects:

### Emotionally Intelligent Artificially Intelligent Virtual Companion:

Emotional chatbot that senses mood and generates appropriate response using python developed in a team of three using NLP, graph databases, and theories from neuroscience and psychology. Selected as one of the top 5 projects from the entire undergraduate department at the institute.

### Smart News App:

Created a news app that attempted to verify the authenticity of a news article using NLP through TensorFlow. Developed in a group of four.

Won Rs.10,000 for placing 1st at a city-wide Hackathon for the project. (Won out of 50 grand final entries)

### Error Log Management Software:

Created an Error Log Management Software that used Machine learning and Artificial Intelligence techniques to classify error logs using ELK. Developed in a team of 6.

Reached the Grand Finals of a national Hackathon for the project. (Placed 3<sup>rd</sup> from 150,000 applicant teams)

### Sentiment Analysis using ULMFiT:

Performed sentiment analysis on Twitter US Airlines Dataset based on the ULMFiT model by Fastai.

Achieved a record accuracy of 84.22% relative to other Kaggle submissions for the same dataset.

## Skills:

### Computer Skills:

- C, Java, Python, R programming, MySQL, Tensorflow, Keras, Pytorch, Scikitlearn, Turicreate, Big Data, Data Mining, Soft Computing, Cloud Computing, Assembly Language, HTML, CSS, JavaScript, Microsoft Office, Flask, REST API development, Database Management System, PHP, AWS.

### Major Domains:

- Artificial Intelligence, Natural Language Processing, Machine Learning, Data Science, Data Analytics.

## Training:

### Data Science and Artificial Intelligence:

- Completed courses titled **Machine Learning** from Stanford University, **Advanced Machine Learning (5-course specialization)** with TensorFlow by Google Cloud, **AI in Medicine (3-course specialization)** by deeplearning.ai, **Minds and Machines (4-course specialization)** from Colorado University ) **Machine Learning** Crash Course Jan 2019 by Google and **Data Analytics** from Internshala VTC (Online).

### Neo4j Certified Professional:

- August 2019, completed an official certification in Neo4j

### Cognitive Science:

- Completed courses titled **Introduction to Psychology** from the University of Toronto, **Social Psychology** from Wesleyan University, **Dog Emotion and Cognition** from Duke University, **Emotions: a Philosophical Introduction** from Universitat Autònoma de Barcelona, **Introduction to Philosophy** from the university of Edinburgh, **Philosophy and the Sciences: Introduction to the Philosophy of Cognitive Sciences** by The University of Edinburgh , **Synapses, Neurons and Brains** from the Hebrew University of Jerusalem,

**Computational Neuroscience** by the University of Washington, **Psychological First-aid** from John Hopkins University and **Understanding child development: from synapse to society** by Utrecht University on Coursera.

**Honors and Activities:**

- Bertelmann scholar for an Udacity scholarship in artificial intelligence. Among the top 15,000 winners globally.
- Completed workshops in Digital Marketing, Ethical Hacking, Web Development, Financial Technologies, Consulting, Corporate Social Responsibility, and Smart Cities.
- Head of Junior Technical Department of Association of Budding Information Technocrats (Department Committee), Member of Renewable Energy Society and SOCH (Non-profit NGO for social welfare)
- Member of MCT's RGIT college basketball team and former volunteer coach for the girls' basketball team at St. John the Evangelist High School (07/2019-10/2019)
- **ANZ** Virtual Experience Program Participant, June 2020, Participated in the open access ANZ Virtual Experience Program with InsideSherpa. Tasks Completed include data segmentation, visualization, data analytics and predictive analytics.
- **KPMG** Virtual Experience Program Participant, June 2020, Participated in the open access KPMG Virtual Experience Program with InsideSherpa. Tasks Completed include data quality assessment, deriving data insights and data insights and presentation
- Tutor for financially underprivileged students at St. Vincent Pallotti Church, Mumbai, India for 2 non-consecutive years 2014,2016 pro-bono.

**Interests:**

Writing fiction novels, animated movies (particularly by Studio Ghibli and Satoshi Kon), Asian and Italian cooking, free counselling to anyone who solicits it.