KEITH REBELLO

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EDUCATION

Symbiosis Center for Distance Learning, Pune, IN   **07/20 onwards**
Post Graduate Diploma in School Counseling
Courses covered: Foundations of Mental Health, Introduction to Developmental Psychology

University of Mumbai - Rajiv Gandhi Institute of Technology (RGIT), Mumbai, IN   **08/16 - 06/20**
Bachelor of Engineering in Information Technology   *Overall GPA: 8.2/10; Major GPA: 8.8/10*

EXPERIENCE

Freelance Data Scientist for a Dubai based consultancy   **08/20 onwards**
- Using the latest research in natural language processing to develop an end-to-end state-of-the-art fact-checking system that is highly flexible, adaptable, and robust, and can handle different kinds of inputs and is also capable of managing multilingual queries.
- Managing the machine learning, natural language processing, and deployment modules of the project on my own.

Internship at Discountshop.com/iUrbo, Connecticut, USA/Amsterdam   **01/18 - 05/18**
- Work from a home internship that provided exposure to data analytics in e-commerce namely primary research, processing, and presentation.
- Conducted primary and secondary research in global markets, for wholesale and retail sellers in luxury goods in order to identify potential clients in order to expand the organizations reach to more than 10 countries across different continents, and performed inventory management for product catalogs

PUBLICATIONS

- Energy-efficient Face Recognition Authentication System Using Human Detection Internet-of-Things 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:
Currently under review by a Springer Journal, Second author, under the supervision of Dr. Sunil B. Wankhade in a team of three.
- Factual Vs. Non-Factual Question-Answering Classification and Dataset:
Currently in development, Second author, under the supervision of Dr. Sunil B. Wankhade in a team of three.
- MYK: A Graph-Based Emotional Intelligent Long-Term Virtual Dialogue Management System:
Currently in development, First author, under the supervision of Dr. Sunil B. Wankhade in a team of three.
- A Survey of Artificial General Intelligence Tools and Techniques:
Currently under review by a Springer Journal, First author, under the supervision of Dr. Sunil B. Wankhade in a team of three.
- A Review on Artificial General Intelligence Research:
Currently under review by a de Gruyter Journal, Third author, under the supervision of Dr. Sunil B. Wankhade in a team of three.

PROJECTS

Emotionally Intelligent Artificially Intelligent Virtual Companion
Emotional chatbot that senses mood and generates an 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 3rd 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, 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	**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 01/19 by Google
	Data Analytics from Internshala VTC (online)
	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 Autonoma 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
	Understanding Child Development: from Synapse to Society by Utrecht University
Neo4j Certified Professional (08/19)	

HONORS AND ACTIVITIES
- Bertelsmann scholar for an Udacity scholarship in Artificial Intelligence. Among the top 15,000 winners globally.
- Volunteer at Samaritans Mumbai as a helper to those who may be stressed, distressed, depressed, suicidal, and in need of emotional support
- **ANZ Virtual Experience Program with InsideSherpa** Participant, 06/20. Tasks completed include data segmentation, visualization, data analytics, and predictive analytics
- **KPMG Virtual Experience Program with InsideSherpa** Participant, 06/20. Tasks Completed include data quality assessment, deriving data insights and data insights and presentation
- 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 (07/19-10/19)
- Pro-bono tutor for financially underprivileged students at St. Vincent Pallotti Church, Mumbai, India in 2014 and 2016

INTERESTS
Writing fiction novels and poetry, watching animated movies (Japanese and otherwise), Asian and Italian cooking, free counseling to anyone who solicits it