Vikramank Singh

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EDUCATION

University of California, Berkeley   **Berkeley, CA**
Master's Degree, Information Systems   *August 2018 - May 2020 (Expected)*

University of Mumbai   **Mumbai, India**
Bachelor's Degree, Computer Engineering, 7.83/10.00   *June 2012 - May 2016*

EXPERIENCE

Massachusetts Institute of Technology   **Boston, MA**
EyeWire | Researcher   **Mentor:** *Dr.Ramesh Raskar | Ms.Amy Sterling*   *Oct 2017 - Ongoing*

Working on various deep learning models to revolutionize the way 22 million people in the United States have been performing Yoga. Training several posing estimation models like OpenPose and DensePose to detect Yoga poses real-time and deploy it on mobile platform.

Facebook, Inc.   **Menlo Park, CA**
Connectivity Lab | Software Engineer   **Mentor:** *Dr.Ramesh Raskar*   *Sept 2016 - Aug 2017*

Developed real-time analytical engine and dashboards to analyze how people connect offline and their behavior to improve the Ads Manager pipeline of the PVD team which contributes 97% of Facebook total revenue.

DRDO, Ministry of Defence, Govt. of India   **New Delhi, India**
INMAS | Undergraduate Researcher   **Mentor:** *Dr. Sushil Chandra*   *Nov 2015 - April 2016*

Single handedly developed a complete tool to analyze and visualize workload, on soldiers' brains using 14, 64, 256 channel EEG data by various non-linear classifiers and predictive models.

Red Hat, Inc.   **Pune Area, India**
GBS | Data Science Intern   **Mentor:** *Mr. Abhishek Agarwal*   *June 2015 - Sept 2015*

Developed real-time analytical dashboards for the sales team to predict sales every quarter. Used R Shiny to develop the UI. Made predictions using various forecasting models like SMA, Time series, Holt Winters, Exponential smoothing.

Indian Institute of Management, Ahmedabad   **Ahmedabad, Gujarat**
Information Systems | Research Intern   **Mentor:** *Dr. Kavitha Ranganathan*   *Jan 2015 - Feb 2015*

Developed models using KML data for predicting likelihood of formation of clusters and then perform cluster analysis to detect some most trusted cluster for data traversal in an ad-hoc file sharing network.

Indian Academy of Sciences   **Bangalore, Karnataka**
IIT Ropar | Research Fellow   **Mentor:** *Dr. Sudarshan Iyengar*   *June 2014 - Oct 2014*

Used the concept of core periphery structure to detect spread of virality in an online social network. Developed a Preferential Attachment Model to demonstrate real time Facebook Graphs. Also, tested those models on a citation and the collaboration network formed in the field of high energy physics theory.

SKILLS

Technical Skills: R, Python, MongoDB, SQL, C, C++, D3, NodeJS.
Machine Learning: Tensorflow, PyTorch, Caffe, Scikit Learn, Keras, Numpy, Pandas

CONFERENCES AND TALKS

Keynote speaker on *"Deep Learning for NLP"* at International Deep Learning Summit 2017, Singapore. [1] [2] [3]
Keynote speaker on *"Deep Learning for Browsers (ConvNetJS)"* at International Cloud Summit HostingCon 2017. [4] [5]
TEDx speaker on *"Revolutionizing Yoga using AI"* at TEDxMahindraEcoleCentrale in 2018. [6]
Guest speaker at the Data Natives X India Conference 2017, spoke on AI for Space Technology. [7] [8]
Keynote speaker and Panelist for the Coca-Cola Youth Speak Forum 2016 India organized by AIESEC.[9]
Keynote speaker on *"AI in Fashion Industry"* at the India's Fashion Summit-Fashion Careers in 2018. [10]

TEACHING AND MENTORING

Taught Machine Learning and Analytics to 3000+ Engineering / MBA students and 30+ full-time Professors from universities across India via the medium of "Surge". [11]
Guest faculty/speaker at several institutes across India like IIT Bombay, Delhi College of Engineering(DTU), NIT Raipur, University of Mumbai, KJ Somaiya Institute, RIIDL. [12][13][14]