Anup Anand Deshmukh $+91\ 8105862592$ Deshmukh.Anand@iiitb.org LinkedIn profile Web address IIIT-B, Bangalore International Institute of Information Technology, Bangalore. May 2019 **EDUCATION** DegreeIntegrated Masters in Information Technology CGPA3.27/4 (At the end of eighth semester) CourseworkReinforcement Learning, Advanced Machine Perception, Machine Learning, Automata Theory and Computability, Big Data Algorithms, Advanced Cryptography, Linear Algebra, Signal Processing, Data Structures - Algorithms, Programming INTERESTS Recommender Systems and Deep learning in Computer Vision A Minimax Game for User Satisfaction in Recommender Systems Ongoing RESEARCH Multimodal perception lab at IIITB Guide: Prof. Dinesh Babu **EXPERIENCE** • Formalizing the Minimax game, which can potentially model generator in Generative Adversarial Networks - GAN's, to give unexpected yet relevant recommendations. A Scalable Clustering Algorithm for Serendipity in Recommender Systems Jan 2018-Aug 2018 Accepted in the ICDM workshop - SAREC 2018 Guide: Prof. Shrisha Rao • Designed a clustering technique (SC-CF) that efficiently tackles the problem of high sparsity and overspecialization in collaborative filtering by effectuating serendipity. Scaling up Simhash Jan 2018-Aug 2018 Under review as a conference paper at AAAI 2019 Guide: Dr. R. Pratap • Proposed a dimensionality reduction sketching algorithm - simsketch - which maintains an estimate of the cosine similarity between original real valued vectors. Fast and Provable Concept Decompositions in Large Text Corpus Sept 2017-April 2018 Under review as a conference paper at ACML 2018 Guide: Dr. R. Pratap • Experimentally validated proposed SPKM-MCMC algorithm by considering the spherical clustering problem for large sparse document collections. Perception of emotions from Audio Signals Ongoing WORK Intern at FAST lab-CentraleSupelec, Rennes-France Guide: Prof. Renaud Seguier **EXPERIENCE** • Analyzed different set of acoustic features which are designed to detect the perceptual content of audio with Convolutional Neural Network in focus. Modelling the human stress in the emotion space learnt by CNN's. CNN based Spatio-Temporal Features of Crowd Models May 2017-July 2017 Intern at Murdoch University, Perth-Australia Guide: Prof. Ferdous Sohel • Worked on a problem of crowd counting which used conditional GAN by extending it to crowd datasets like SHOCK and WIDER FACE. Slicepay (formerly Buddy), Bangalore, India May 2016-July 2016 Full Stack Developer • Built the browser extension using JavaScript which gave access to the Slicepay's payment plans right from user's merchant website. Link: Slicepay's chrome extension Merge LSTM model for Image Description Generation August 2017-April 2018 COURSE Research Elective, IIITB-India Guide: Prof. Dinesh Babu **PROJECTS** • Analyzed and built the retrieval based model using Keras and Tensorflow on the construction which uses both LSTM's for language modelling and CNN's for generating image representation. Automated Essay Scoring with Cross Feature Vector Generation August 2017-Dec 2017 Course: Machine Learning I Guide: Prof. G Srinivasa R. • Designed and implemented the Intelligent Text Rater(ITR) with the proposed novel approach of feature vector generation of text essays which significantly reduces the required training data size. Python(Keras, Tensorflow), C++, JScript Languages SKILLS ToolsMatlab, Latex 2016 Winner of the Hackathon held in IIIT-B as part of the Signal Processing course. ACADEMIC 2016 Designed and created an Intellectual Property Management Portal for IIIT-B. ACHIEVEMENTS 2014 Top 1% in Maharashtra State's Higher Secondary School Certificate (HSC) exam. 2012Secured All India Rank 940 in International English Olympiad.

2018 Academic Support, at Make A Difference teaching basic sciences to underprivileged students.
2014-2017 Curator, TEDx IIITB; Co-Founder, IIITB 'Comic Club'
2014 Social Media Team, Microsoft TechEd 2014

Teaching Assistant, for the course Theory of Automata and Computations at IIITB

2018

LEADERSHIP