

Gaurav Bhaskar Gite

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Education	Columbia University M.S. in Computer Science Relevant Courses: Deep Learning, Natural Language Processing, Machine Learning, Advance Machine Learning. Awarded Jonathan Gross Prize for Best Student.	Sept '15 – May '17 GPA: 4.0/4.0
	Indian Institute of Technology (IIT), Roorkee B.Tech in Electrical Engineering Relevant Courses: Machine learning, Artificial Neural Network	July '11 – May '15 GPA: 8.568/10
Experience	Google Inc. Intern <ul style="list-style-type: none">Worked with the Research and Machine Intelligence team to optimize the performance of Recurrent Neural Network (RNN) models. The models would be used for next-word prediction in the Android keyboard.Developed 30% faster implementation of GRU cells in Tensorflow. Open-sourced the code.	May '16 – August '16
Research	Natural Language Processing Lab Graduate Research Assistant <ul style="list-style-type: none">Conducted research, broadly in the development of new approaches for the extractive summarization of news article using structured prediction energy networks.Extended the New York Times Annotated Corpus by adding hundreds of thousands of recent article-summary pairs from year 2007 until 2016. Link to the thesis.	Sept '17 – May '17
	Center for Computational Learning System, Columbia University Graduate Research Assistant <ul style="list-style-type: none">Researched on automated methods for content assessment of written text.Developed an automated technique for grading of student writing based on the content. Journal paper published in the International Journal of Artificial Intelligence in Education. Link to the research paper.	Jan '16 – May '16
	University of Lethbridge, Canada Research Intern <ul style="list-style-type: none">Developed new approaches for the online testing of reversible logic circuits.Research paper presented at 45th IEEE International Symposium on Multiple-Valued Logic (ISMVL), 2015. Link to the research paper.	May '14 – July '14
Selected Projects	Eco-feedback System for Building Energy Efficiency <ul style="list-style-type: none">Developed a system to provide feedbacks to the residents in one of the Columbia-owned building about their electricity consumption.Experiments aims at finding the appropriate feedback attributes such as sentiment of the text, consumption in terms of number of trees, global warming related news summary and so on. Sample feedback.	Sept '16 – May '17
	Name based Gender Prediction <ul style="list-style-type: none">Implemented a Recurrent Neural Network based model to predict the gender from a person's name. Achieved an accuracy of around 80%. Demo video, code, and blogpost.	Sept '16 – Nov '16
	Facial Emotion Recognition System using Deep Learning <ul style="list-style-type: none">Developed a system which can predict facial emotions. Achieved an accuracy of around 60%. Demo video and code.	Jan '16 – May '16
	Automated Essay Grading using Machine Learning <ul style="list-style-type: none">Implemented an automated essay scoring system.Extracted features such as count of parts of speech, average word length, grammatical and spelling error, punctuation which indicate language fluency, dexterity, orthography, structure and organization of text. Used linear regression as the learning model. Achieved mean square error of 0.27 in the final model.	May '15 – July '15
Skills	Preferred: Python, MATLAB, TensorFlow, Theano Familiar: C++, C, HTML, CSS, Assembly, C, Bootstrap, VHDL Software Tools: Mallet, Google APP Engine, Git, Linux, SQS, DynamoDB, AWS	
Co-Curricular Activities	Teaching Assistant – Advance Machine Learning, Columbia University, Spring '16 Teaching Assistant – Introduction to Computer Systems, Columbia University, Spring '16 & Fall '15 Teaching Assistant – Programming Language (C++) Columbia University, Fall '15	
Awards	2017 Jonathan Gross Excellence Award – Computer Science Dept., Columbia University 2015 & 2013 Excellence Award – IIT Roorkee Heritage Foundation	