

Somin Wadhwa

CONTACT INFORMATION	Undergraduate Student Block 1, Computer Science & Engineering Maharaja Agrasen Institute of Technology. Rohini, Delhi, India.	Phone: (+91) 9312349897 E-mail: sominwadhwa@gmail.com GitHub: sominwadhwa Kaggle: sominwadhwa
INTERESTS	Machine Learning, Exploratory Data Analysis	
EDUCATION	B.Tech in Computer Science & Engineering July 2014 – present Maharaja Agrasen Institute of Technology (Overall Percentile: 78.5% as on July 2016) Guru Gobind Singh Indraprastha University, Delhi, India Sr. Secondary: Bal Bharati Public School, Pitampura, Delhi March 2012 – April 2014 All India Senior School Certificate Examination, CBSE (Percentile: 93.8%) Secondary School: Bal Bharati Public School, Pitampura, Delhi March 2000 – April 2012 CBSE (GPA: 8.8)	
RECENT EXPERIENCE	Internship (TA): CodingNinjas June, 2016 - July, 2016 Worked for six weeks with the technical team where I worked on MATLAB to build machine learning models and assignments for their upcoming programs/courses. Assignments included regression models, SVMs, Neural Nets and several unsupervised models as well. Research/Presentation December, 2015 <i>Somin Wadhwa</i> , "Study of Random Numbers & their applications in computational physics using Monte-Carlo method", (presented at) <i>XXVII IUPAP Conference on Computational Physics, IIT Guwahati</i> , December 2-5 2015 (Abstract)(Certificate)	
TECHNICAL SKILLS	Strongest Areas: Machine Learning (Classification, Regression, Feature Engineering), Algorithms/DS, Exploratory Data Analysis Languages/Tools/Software: Python (scikit-learn, NumPy, Pandas & others), C++, Matlab, SQL, MongoDB, L ^A T _E X, MS Excel	
SELECTED PROJECTS	Kaggle-Repository* A collection of kernels (written in IPython Notebooks & scripts) designed from datasets obtained from Kaggle for practise as well as competitions. These include implementations of typical Machine Learning algorithms on a range of datasets. TheTwitterPolice Analysis of law enforcement activity on Twitter in India. Collected data from five different police social handles (BeautifulSoup & Selenium), stored them in a database (MongoDB), analysed (sentiment-analysis, time-series etc) & displayed the results graphically in the form of a web-app (flask application deployed on heroku). Image Apportionor A simple clustering based image segmentation in Python. Implemented k-means clustering for segmentation & achieved a compression ratio of approximately 6. <i>*Ongoing</i> All my projects (above included) are available on GitHub	
RELEVANT COURSES TAKEN	Algorithms, Data Structures, Databases, Machine Learning (MOOC), Automata Theory, Theory of Probability, Differential & Inferential Statistics (Applied Math-IV), Software Engineering	
OTHER ACTIVITIES	<ul style="list-style-type: none"> • Secretary(2015-2016) 'Association of Computing Machinery (ACM)- Student Chapter' at M.A.I.T • Interned at a national NGO 'Umeed - A drop of Hope' (NGO Reg: S/792/DIST.SOUTH/201) and participated in Project- Knowledge for All (KFA). • Rotaractor (2014-2015) Member of 'Rotaract Club of Delhi Akash' where our team jointly organized several large scale events like 'CanSupport's Walk of Life (8th Feb 2015) - Fight against cancer.', 'Patrika - A paper recycling drive.' 	
HOBBIES & INTERESTS	Reading(News/Politics/Economics/Twitter/ Quora), Basketball, Documentaries	
REFERENCES	Available upon request.	