

Somin Wadhwa

CONTACT INFORMATION	E-mail: sominwadhwa@gmail.com Homepage: sominwadhwa.github.io	GitHub/Kaggle: /sominwadhwa LinkedIN: /in/sominwadhwa
EDUCATION	Bachelor of Technology in Computer Science & Engineering Maharaja Agrasen Institute of Technology, G.G.S.I.P Univ., Delhi, India	2014 – 2018 CPI: 79.2%
RECENT EXPERIENCE	<ul style="list-style-type: none"> Indraprastha Institute of Information Technology, Delhi (IIIT-D) <i>Research Intern</i> Complex Systems Lab, Center for Computational Biology Advisor: Dr. Ganesh Bagler – Current Work: My current work focuses on creation of <i>“BitterSweet: A resource to explore and predict taste information in small molecules”</i>. (http://cosylab.iiitd.edu.in/bittersweet) – Previous Work: During my undergraduate studies, we worked on devising new methods to predict phenotypic side effects of drugs using existing data (SIDER4). The work was culminated in the form of a research article and the code was documented & open-sourced on Github (code). All India Council for Technical Education (AICTE), Govt. of India <i>Research & Development Intern</i> Advisor: Dr. N.H. Siddalingaswamy (Director, AICTE) – Work: Lead a team of 5 and with a project budget of \$4600. We analysed AICTE’s employment statistics dataset and developed dynamic analytic dashboards to aid AICTE in granting approvals to higher education institutions. (code) 	July, 2018 - Present June 2017 - March 2018 October 2017 - March 2018
PUBLICATIONS	Wadhwa S, Gupta A, Dokania S, Kanji R, Bagler G (2018) A hierarchical anatomical classification schema for prediction of phenotypic side effects. PLOS ONE 13(3): e0193959. https://doi.org/10.1371/journal.pone.0193959	
SELECTED PROJECTS	All of my projects (including the following ones) are available on github.com/sominwadhwa <ul style="list-style-type: none"> Visual Question Answering through Modal Dialogue: A two semester long B.Tech project based on the application of <i>Malinowski et al.</i> on v2 of the VQA dataset. Documented and made the entire process reproducible in the form of a featured blog post. (code) Kaggle Repository: An ongoing (2+ yrs) collection of kernels (in IPython notebooks) designed using datasets obtained from Kaggle for practise & competitions. (github-repo, kaggle profile) TheTwitterPolice: Basic analysis & visualization of Indian law enforcement activity on Twitter. Collected data for different cities (BeautifulSoup & Selenium), stored them in a database (MongoDB), analysed (sentiment analysis, basic statistics etc) & displayed the results graphically through a flask web-app. (code) 	
SKILLS	<ul style="list-style-type: none"> Languages & Frameworks: Python, Java, Bash Scripting, SQL. Tensorflow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Plotly, MongoDB, Flask Relevant Classes Taken: Algorithm Design & Analysis, Machine Learning, Advanced DBMS, Data Structures, Probability & Curve Fitting (Applied Mathematics-IV) 	
ACHIEVEMENTS & OTHER ACTIVITIES	<ul style="list-style-type: none"> Smart India Hackathon 2017, MHRD, Govt. of India: Led a team of 6-members advised by Dr. Sambuddha Roy (Principal Data Scientist at Microsoft, Seattle) & won first prize with a total cash prize of \$3000 awarded by Government of India and MAIT. Best B.Tech Project: Awarded to the top 4 major projects by the CSE department at MAIT. Outstanding Achievement Award: Conferred by the CSE department at MAIT among 180 students (batch of 2018). Secretary, Association of Computing Machinery: Served in the capacity of Secretary of 80+ strong team of ACM-MAIT Student Chapter during 2015-2016. Blogging: Maintain an active blog at sominwadhwa.github.io/blog to document some of my experiences & selected projects (for reproducibility). 	