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Somin Wadhwa

Contact Information

Undergraduate Student
Block 1, Computer Science & Engineering
Maharaja Agrasen Institute of Technology.
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Kaggle: sominwadhwa

Interests

Machine Learning, Exploratory Data Analysis

Education

B.Tech in Computer Science & Engineering — July 2014 – present
Maharaja Agrasen Institute of Technology (Overall Percentage: **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

Research/Presentation — December, 2015
Somin Wadhwa, "Study of Random Numbers & their applications in computational physics using Monte-Carlo method",(presented at) *XXVII IUPAP Conference on Computational Physics, IIT Guwahati*, 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, LaTeX, 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.

**Ongoing*
All my projects (above included) are be 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

- **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.