



Ojasvin Sood

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B.Tech undergraduate

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<https://github.com/ojasvin/>

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Guwahati	8.77 (Current)	2015 - Present
Senior secondary	CBSE board	95.0%	2015
Secondary	ICSE board	94.6%	2013

Experience

- Research Intern at ISI Kolkata** May,2017- July,2017
Guide - Dr. Ashish Ghosh, Professor, Machine Intelligence Unit, ISI Kolkata
 Implemented a Project on Clustering based ensemble of Multi Layer Perceptrons for One Class and Mutlti Class Classification using K-Means Clustering in Matlab.

Projects

- Toy Language Interpreter** March,2017
Dr. Kalpesh Kapoor, Professor, Dept. of Mathematics, IIT Guwahati
 A project to implement Python based Toy language interpreter with functionalities including Functions, Loops,If-else, Error and Exception Handling and Print Statements.
 (<http://github.com/ojasvin/Toy-Language-Interpreter>)
- Transported Generalized Exponential Distribution** March,2017
Dr. Arabin Dey, Assistant Professor, Dept. of Mathematics, IIT Guwahati
 A project to implement a random number generator for transported generalized exponential distribution in both uni-varite and bi-variate cases using R.
- Machine Learning and AI** April,2017
 Coded SVMs, Multi-Layer Perceptrons, K-Means Clustering Algorithm,Extreme Learning Machine and Convolutional Neural Network in matlab and python using tensorflow.
 (<https://github.com/ojasvin/Machine-Learning>)

Technical skills

- Programming languages** : C, C++, Python, Matlab, R
- Web technologies** : HTML, CSS*, Javascript*, Flask*
- Database management** : mySQL
- Miscellaneous** : Latex, MS Word, MS Excel, PowerPoint
- Operating system** : Windows, Linux

* *Elementary proficiency*

Key courses taken

- Data Structures and Algorithms
- Deep Learning (Udacity)*^
- Monte Carlo Simulation
- Financial Engineering
- Probability and Random Processes
- Discrete Mathematics
- Computer Organisation and Architecture
- Data Structures Lab with Object Oriented Programming
- Operating Systems^
- Databases^
- Machine Learning (Coursera)*
- Linear Algebra
- CS50 (edX)*
- Game Theory and Economics

**Online Courses* ^ *To be completed by Winter 2017*

Achievements

- **Current Departmental Rank : 5**
 - **Joint Entrance Examination 2015** : Secured All India Rank 4260 among 0.15 million candidates appearing for the test.
 - **Awarded Change of Discipline** : Secured branch change to Mathematics and Computing in the first year by securing a position in top 10% of the batch .
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Extracurriculars

- **Technothon 2016** : City representative Kolkata, Technothon.
- **Spardha 2017** : Represented Hostel in sport of Lawn Tennis, Basketball (semifinals) in Spardha (Inter Hostel Sports Tournament)
- **Remedial Classes** : Took remedial classes in Barak Hostel for the First year students in 2017.