Utkarsh Gupta

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http://github.com/khalibartan/

Education

2014–2018 **Bachelor of Technology** | Motilal Nheru National Institute of Technology Allahabad
Information & Technology - **8.65/10 GPA**

2013–14 **Intermediate** | HAL School Korwa, Amethi
Science stream, with Physical Education -**94%**

Work Experience

November 2015– Present **Open Source Contributor** | pgmpy:A Python package for Probabilistic Graphical Models
Wrote BIF reader ,BIF writer and its test suit. Rewrote Joint Probability Distribution class and its test suit.Implemented methods related to I-equivalence. Fixed compatibility issues with python 2.7.x .

October 2015– Present **Antidote DM** | A download manger written in Python
Wrote a GUI software in python that can Download files from web, and with some special features that can search and download from specific sites .

October 2015 **Character Classifier** | A machine learning script
Wrote a python script that classifies character in an image using support vector machine .

Achievements

October 2015 **Third in Softablitz** | A software development competition in Tech-fest of MNNIT
Implemented the Antidote DM

October 2015 **Runner up in Logical Rhythm** | Machine learning event in Tech-fest of MNNIT
Wrote a python script that classifies character in an image using support vector machine. Also wrote a python script for context based search using TF-IDF .

Programming Languages and Tools

Proficient | Python, C, Vim, Git

Familiar | C++, R, Octave, OpenCL (C/C++/Python), Cuda, Linux Utilities, LaTeX

Course Work

Mathematics | Linear Algebra, Transform Calculus, Discrete Mathematics, Numerical Solution to Ordinary and Partial Differential Equations, Partial Differential Equations, Vector Calculus

Computer Science | Programming and Data Structures, Shell scripting

Electronics | Analog and Digital electronics, Signals and System

Open Course-ware | Machine Learning, Finding Hidden Messages in DNA, Heterogeneous system Programming

Miscellaneous | Technical Writing