PRANJAL GUPTA

#229, Rana Pratap Bhawan, BITS Pilani,   +91 8094076999
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EDUCATION

Qualification	Board/University	Year	CGPA/Percentage
B.E. (Hons) Computer Science and M.Sc. (Hons) Mathematics	BITS Pilani	2013 - 2018	8.94 (scale of 10)
Intermediate	Indian School Certificate (ISC), CISCE	2012	94.25%
High School	ICSE	2010	92.60%

RELEVANT COURSES

Discrete Mathematics, Graph Theory, Operations Research, Linear & Nonlinear Programming, Logic in CS, Object Oriented Programming, Database Systems, Data Structures & Algorithms, Cryptography. Information Retrieval, AI, Data Mining.

INTERNSHIPS

Zomato, Gurgaon *(May, 2016 - July 2016)*
- Developed and implemented Computational A/B Experimental framework and other statistical tools for for evaluating web metrics on multiple variable parameters. Also applied Data Mining techniques on large data-sets to draw useful results and created informative visualizations using scipy, matplotlib and scikit-learn Python modules.

Homi Bhabha Centre for Science Education, TIFR, Mumbai *(May, 2015 - July 2015)*
- Worked on Gnowsys, a system for Semantic Computing to create Knowledge Graph that implements Resource Description Framework (RDF).
- Implemented Analytics, Data-visualization tools and RSS update feeds on MetaStudio, a studio-based learning platform, that is based on Gnowsys kernel. (http://metastudio.org). (Github)

ACADEMIC PROJECTS

Improving search results by incorporating implicit user feedbacks *(Currently ongoing)*
- Using User Actions on Web search results as the parameter for rating fetched results matching the User query. The System uses the method of 'Elo Ratings' and 'Gecko Ratings' to rate results based on user behaviour

Research Project on "Ranking in Social Networks" *(Currently ongoing)*
- Studying various classical methods of evaluating nodes in network of World Wide Web, like PageRank and HITS.
- Studying means of inducing ranking and clustering on network of WWW, with prospect of searching & retrieval.

Generic Search and Health Analysis of GIT Repositories *(Jan 2016 - Feb 2016)*
- Devised Vector space model of Information Retrieval for retrieving and searching through Git repositories.
- Implemented Search, based on relevance, popularity and stability of repositories on Github.

Syntactic Analyzer and Expression Evaluator in SWI-Prologue *(Sep 2015)*
- Designed a basic syntactic analyzer to check the correctness of the context-free grammar of common mathematical expressions. The Program determined the resulting expression type and checked for the validity of input statement.

Automated Personalized Email Classifier *(Jan 2015 - Mar 2015)*
- It employs the basics of semantic computing and machine learning to draw logical clusters of similar Emails and classifies them accordingly. The project won 2nd prize in APOGEE 2015, technical fest of BITS Pilani.

OTHER PROJECTS AND ACTIVITIES
- Developed softwares and websites for APOGEE 2016, technical fest of BITS Pilani. (http://bits-apogee.org/). (Github)
- Designed the website for OASIS 2014, cultural fest of BITS Pilani. (http://bits-oasis.org/2014main). (Github)

POSITION OF RESPONSIBILITY
- Former Member of Committee of Students for Academic Activities (CoStAA) 2016, BITS Pilani. The group was responsible for organizing the technical fest of BITS Pilani, APOGEE 2016.
- Former Head of a student-run body, Department of Visual Media (DVM) at BITS Pilani.

TECHNICAL SKILLS

C/C++, Java, Python (scipy, numpy, matplotlib, scikit-learn), HTML5/CSS3, JavaScript, jQuery, Django Framework, Node JS, PHP, SQL, MongoDB, Git Version Control, OpenCV, SSH, MATLAB.