

**PRABHDEEP SINGH WALIA**

Course : B.E. (Hons.), Electronics and Instrumentation

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CGPA : 8

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
XII	Science	St. Cecilia's Public Shool	CBSE	96.6	2012
X	General	St. Cecilia's Public Shool	CBSE	9.6	2010

ELECTIVES/TECHNICAL PROFICIENCY

Electives	Object oriented programming and design, Computer Architecture, Operating Systems, Intro To Conflict Mgmt, Organizational Psychology
Technical Proficiency	Platforms: OS X, Windows; Languages: C, C++(proficient), Java, Python, Assembly; Tools: Xcode, Eclipse, MATLAB, Proteus, ModelSim

SUMMER INTERNSHIP/WORK EXPERIENCE

ARISE Impact	May 2015 - Jul 2015
Software Development Engineer, Intern	
<ul style="list-style-type: none"> Implemented the Recommendation Engine for MOOC Platform. Modified the LensKit Recommendation Toolkit to provide content based recommendation. Solved Cold-Start problem by implementing suggestions based on User History and Item being viewed. 	
ARISE Impact	Jul 2015 - Till Present
Software Development Engineer	
<ul style="list-style-type: none"> Part-time role as a member of the Technology and Projects team. Currently working on Course Content Generation for blind students. 	
GMR Varalakshmi Foundation	May 2014 - Jul 2014
<ul style="list-style-type: none"> BITS Pilani Practice School; Prepared interactive classroom content to be used in vocational courses for underprivileged children. 	

PROJECTS

Summary Tool	Dec 2014 - Jan 2015
<ul style="list-style-type: none"> Implemented an Automatic Summarizer using TextRank algorithm in C++. Reduces original article length by 60-70%. 	
Hashtag Generator (NLP) using NLTK	Jun 2015 - Jun 2015
<ul style="list-style-type: none"> Built to add automatic hashtags into an article title, judging important words from the content. 	
Develop new Grid Scheduling Algorithm	Jan 2015 - May 2015
<ul style="list-style-type: none"> Analysed and Implemented existing Grid Scheduling Algorithms; Designed a new algorithm combining the Scheduling Problem with Machine Learning. Algorithm is able to save cost and time when compared with traditional algorithms. 	
Noun Phrase Extractor (NLP) using NLTK	Jun 2015 - Jun 2015
<ul style="list-style-type: none"> Defined own Speech tagger and Semi-Context Free Grammar to improve speed when compared to NLTK default tools. Efficiently extracts main topics from a sentence. 	
Python Scripts	May 2015 - Jul 2015
<ul style="list-style-type: none"> Download all comics and blogs from theotmeal.com and xkcd.com using BeautifulSoup API. Convert Quora answers into one PDF using Selenium Webdriver API for offline reading. 	
Freeshot - Basketball Game	Aug 2011 - Feb 2012
<ul style="list-style-type: none"> Implemented parabolic and elliptical equations to display graphical animations. Power-bar and Angle-meter built to judge ball path; Built using graphics.h in C++. 	

ACHIEVEMENTS AND AWARDS

<ul style="list-style-type: none"> Awarded the Certificate of Merit by the CBSE for being among the top 0.1% of successful candidates of AISSCE (Class XII) in Physics, scoring 100% 	2012
<ul style="list-style-type: none"> Offered the INSPIRE Scholarship by the CBSE for performance in the top 1% in Class XII Board Examination 	2010
<ul style="list-style-type: none"> Certificate of Distinction in the Mathematics International Benchmark Test (IBT) 2010, by the Australian Council for Education Research 	2010
<ul style="list-style-type: none"> Secured 1st position in the Ramanujam Mathematics Competitions 2010, conducted by the New State Academy, Delhi 	2010
<ul style="list-style-type: none"> Certificate of Distinction in the International Assessment for Indian Schools (Mathematics) 2005, by the University of NSW, Australia 	2005
<ul style="list-style-type: none"> Awarded scholarships worth Rs. 18,000 each in classes X and XI for academic excellence 	2012

EXTRA CURRICULAR ACTIVITIES

<ul style="list-style-type: none"> Qualified for ACM-ICPC Asia Regionals Amritapuri site ranked in the top 10%. 	2014
<ul style="list-style-type: none"> Competitive Programmer on: SPOJ, Codeforces (RealMadrid rated: 1706), Project Euler, USACO. Repository of solved problems: here. 	2014
<ul style="list-style-type: none"> Contributions to Open Source Communities (FLINT, fpIII). Find me on Github: prabhdeep311. 	2015