

# Sidhant Nagpal, 20

Bachelor of Engineering (B.E.) - COE (Computer Engineering) | 2015-19

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## EDUCATION

Degree	Institute	Board/University	Percentage/CGPA	Year
B.E. (COE)	Netaji Subhas Institute of Technology (NSIT), Delhi	Delhi University	82.48% (till 5th Semester)	2019
AISSCE (Class XII)	Bal Bharti Public School (BBPS) Pitampura, Delhi	CBSE	96%	2015
SSC (Class X)	Bal Bharti Public School (BBPS) Pitampura, Delhi	CBSE	10 (CGPA)	2013

## SKILLS

Languages	C, C++, Python, Java, Bash, LaTeX, MIPS (Assembly), SIMD (Intrinsics), VHDL, HTML, CSS, JSON, XML
Technologies	Git, Matlab, GNU Octave, Libraries (SciPy, SymPy, Flask, Selenium), MySQL (Relational), MongoDB (NoSQL)
Platforms	GNU/Linux, Windows, Android
Algorithms & Data Structures	Solved 1000+ programming problems on OJs (Online Judges - Codeforces, SPOJ, CodeChef, TopCoder) Participating in programming contests on Codeforces, CodeChef since 1 <sup>st</sup> year of graduation

## INTERSHIPS

Google Summer of Code (GSoC) (12 Weeks)	<b>GSoc Developer at SymPy</b> Selected for working on the project `Transforms, Convolution & Linear Recurrence Evaluation` for SymPy - a <b>Computer Algebra System (CAS)</b> written purely in Python	2018
IIT Kanpur (5 weeks)	<b>Research Intern - Dynamic Depth First Search</b> Presented the Research Paper arXiv:1502.02481v3 on `Dynamic Depth First Search Algorithm` in <b>Graph Theory</b> under the guidance of Professor Raghunath Tewari, IIT Kanpur (CSE Department)	2017
Sopra Steria (4 weeks)	<b>Software Engineering Extern - Breakout for Android</b> Designed and developed the game `Breakout` based on the classic game - DX Ball for Android	2017

## PROJECTS

Open Source	<b>SymPy</b> : Active Contributor at SymPy - a <b>Computer Algebra System (CAS)</b> written purely in Python <b>Algorithmic Progress Visualizer: Web Scraper &amp; Visualizer</b> for tracking Algorithmic Progress on OJs <b>ELO Compare</b> : Designed a Python Web Application implementing a <b>Modified Elo Rating Algorithm</b>	2018 2018 2017
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## ACHIEVEMENTS & AWARDS

Competitive Programming Contests	<ul style="list-style-type: none"><li>Achieved <b>rank 1668</b> in `Google Code Jam` Round 2 out of <b>25000+</b> participants</li><li>Achieved <b>rank 60</b> in <b>Google Kickstart</b> Round B of 'APAC' out of <b>800+</b> participants</li><li>Achieved <b>rank 105</b> in <b>Google Kickstart</b> Round G of 'APAC' out of <b>1000+</b> participants</li><li>Finished <b>41<sup>st</sup></b> out of <b>250+</b> teams in <b>ACM ICPC Asia Amritapuri Onsite Regional Contest</b></li><li>Finished <b>41<sup>st</sup></b> out of <b>100+</b> teams in <b>ACM ICPC Asia Gwalior Onsite Regional Contest</b></li><li>Finished <b>131<sup>st</sup></b> out of <b>3500+</b> teams in <b>ACM ICPC India Online Qualification Round</b></li><li>Qualified the coding competition `<b>Facebook Hacker Cup</b>` organised by Facebook</li></ul>	2017 2017 2017 2017 2017 2017 2017
International Olympiads	<ul style="list-style-type: none"><li>Secured <b>757</b> and <b>416 rank</b> in International Informatics Olympiad (IIO) Stage I and Stage II</li><li>Secured <b>724 rank</b> in finals of International Mathematics Olympiad (IMO)</li><li>Awarded <b>Silver Medal</b> and finished <b>13<sup>th</sup></b> in International Master Mathematics Olympiad (IMMO)</li><li>Awarded <b>Silver Medal</b> and secured <b>rank 825</b> in International Olympiad of Mathematics (IOM)</li></ul>	2013 2013 2010 2010
National Olympiads	<ul style="list-style-type: none"><li>Awarded Kishore Vaigyanik Protsahan Yojana (KVPY) <b>Scholarship</b> by IISC, Govt of India</li><li>Secured <b>99.81</b> percentile in Joint Entrance Examination (JEE) - <b>Main</b></li><li>Ranked among the <b>top 1%</b> state-wise qualifiers in National Standard Examination in Chemistry (NSEC) and qualified for Indian National Chemistry Olympiad (InChO)</li><li>Qualified National Talent Search Examination (NTSE) <b>Stage I</b> being in <b>1.33%</b> out of <b>3I+</b> contestants</li></ul>	2015 2015 2015 2014
NSIT	<ul style="list-style-type: none"><li>Awarded <b>Scholarship for Meritorious Performance</b> for 1<sup>st</sup> &amp; 2<sup>nd</sup> years</li><li>Awarded <b>Ramanujan Award</b> for outstanding performance in Mathematics for 1<sup>st</sup> &amp; 2<sup>nd</sup> semesters</li><li>Secured <b>1<sup>st</sup> position</b> in 2<sup>nd</sup> and 3<sup>rd</sup> semesters out of 70 students</li></ul>	2016, 17 2016 2016
Bal Bharti Public School	<ul style="list-style-type: none"><li>Awarded <b>Scholar Platinum Medal</b> for academic excellence for <b>8 consecutive years</b></li><li>Recipient of <b>Full-Fee Waiver Scholarship</b> for <b>2 consecutive years</b>, class 11<sup>th</sup> &amp; 12<sup>th</sup></li></ul>	2008-15 2014-15

## EXTRA-CURRICULAR ACHIEVEMENTS

Zonal	<ul style="list-style-type: none"><li>Finished <b>3<sup>rd</sup></b> in <b>Inter Zonal Hockey Tournament</b> &amp; in <b>Zone 11 Hockey Competition</b></li><li>Secured <b>3<sup>rd</sup> position</b> in <b>CBSE North Zone I Hockey Championship</b></li></ul>	2010,13 2012,13
Bal Bharti Public School	<ul style="list-style-type: none"><li>Awarded <b>Best Player</b> as <b>Captain</b> and finished <b>2<sup>nd</sup></b> in XI<sup>th</sup> Inter Bal Bharati Hockey Tournament</li><li>Secured <b>2<sup>nd</sup> position</b> in Modernites Hockey Tournament for <b>2 consecutive years</b></li><li>Secured <b>2<sup>nd</sup></b> and <b>3<sup>rd</sup> position</b> in SS Mota Singh Hockey Tournament in <b>2 years</b> - 2010, 11</li><li>Secured <b>1<sup>st</sup> position</b> in BBPS Inter House Hockey Tournament for <b>4 years</b> - 2009, 10, 13, 14</li><li>Secured <b>2<sup>nd</sup> position</b> in BBPS Inter House Swimming Tournament in <b>3 swimming styles</b></li><li>Awarded <b>Gold Medal</b> for 'Good Reading' in English language</li></ul>	2013 2009, 10 2010, 11 2009-14 2009 2006, 11