

Sidhant Nagpal

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SKILLS

TECHNICAL

Software Engineering • Algorithms
Data Structures • Open Source
Applied Mathematics • Cryptography

PROGRAMMING

Python • C++ • C • Shell • LaTeX
SQL • Java • Android • HTML • CSS
Git • Travis CI • AWS SQS • DialogFlow
Flask • Selenium • BeautifulSoup
Matlab • Octave • SIMD • Assembly

EDUCATION

UNIVERSITY OF DELHI

BE IN COMPUTER SCIENCE

2015-19 (expected) | Delhi, India
Netaji Subhas Institute of Technology
Percentage (upto 6 sems): 82.16%

BAL BHARATI PUBLIC SCHOOL

Grad. May 2015 | Delhi, India
AISSCE (Class XII): 96%
AISSE (Class X): CGPA 10.0/10.0

PROJECTS

- **SymPy**
Python library for Symbolic Mathematics
- **Intuit Mint (Android)**
Expense Tracking Automation using Google Assistant (AI) and NFC Trigger (IoT)
- **Google Code Jam Web Scraper**
Leaderboard Scraper and Task Automator
- **Ranking Application**
Python Web App for Elo Rating Algorithm
- **Breakout (Android)**
Android game based on DX Ball
- **Algorithmic Progress Visualizer**
Web Scraper and Data Visualizer

LINKS

Github:// [SidhantNagpal](#)
LinkedIn:// [SidhantNagpal](#)
Twitter:// [@_SidhantNagpal](#)

EXTRA CURRICULARS

Bronze Medallist, Hockey Inter-Zonals
Bronze Medallist, Hockey Zonals
Best Player & Team Captain, Inter-School

EXPERIENCE

GOOGLE SUMMER OF CODE | SOFTWARE DEVELOPER

Apr 2018 - Aug 2018 | Remote

- Core developer for **SymPy**, a Computer Algebra System (CAS) written in Python
- Implemented **discrete transforms, convolutions, recurrences** modules using efficient algorithms for SymPy (a NumFOCUS sponsored project)

INTUIT | SOFTWARE ENGINEERING INTERN

May 2018 - Jul 2018 | Bangalore, India

- Worked on Encryption track and Queuing module (Simple Queue Service) for AWS migration of **IntuitMarket.com** (Intuit QuickBooks e-commerce portal)
- Contributed to IDPS (Intuit Data Protection Services) SDK for Cryptography

RESEARCH

INDIAN INSTITUTE OF TECHNOLOGY | UNDERGRAD RESEARCHER

Jun 2017 - Jul 2017 | Kanpur, India

Studied the Dynamic Depth First Search problem in Graph Theory and presented an efficient algorithm based on the research paper [arXiv:1502.02481v3](#) by IIT Kanpur

POSITIONS OF RESPONSIBILITY

TECHNICAL SPEAKER

PyCon India (PSF), 2018: Scientific computation in Python using SymPy

VOLUNTEER

We Care & Give Back (Intuit), 2018: Tactile stories for visually impaired children
WARUDA (Woman & Rural Urban Dev. Assoc.) NGO, 2018: Computer literacy

PROGRAMMING EVENTS

2018	Top 2/15	Intuit Intern Hackathon
2018	Rank 464/24K+	Google Code Jam Round 3 (semi-final)
2017	Rank 1668/25K+	Google Code Jam Round 2 (quarter-final)
2017	Rank 105/1K+	Google Kickstart Round G
2017	Rank 60/800+	Google Kickstart Round B
2017	Rank 26/250+	ACM ICPC Asia Regionals, Amritapuri
2017	Rank 41/100+	ACM ICPC Asia Regionals, Gwalior
2016-18	Top 200/300K+	Sphere Online Judge (SPOJ)
2015-18	Solved 1000+ Problems	Online Judges for Programming

ACHIEVEMENTS

2016-17	Merit Scholarship Award	Academic courses, University
2016	Ramanujan Award	Mathematics courses, University
2016	Section Rank 1/70	Computer Science courses, University
2015	99.81 percentile for 1.3L+	Joint Entrance Examination (JEE) Main
2015	KVPY Fellowship Award	Kishore Vaigyanik Protsahan Yojana
2008-15	Scholar Platinum Medal	Academic courses, High School
2014-15	Merit Scholarship Award	Science courses, High School
2014	Top 1.33% of 3L+	National Talent Search Examination (NTSE)
2011	Gold Medallist	English courses, High School
2010	IOM Silver Medallist	International Olympiad of Mathematics
2010	IMMO Silver Medallist	International Master Mathematics Olympiad