



Arushi Tandon

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Career Goals

- *Actually* imbibing knowledge and honing critical perception while learning.
- Researching holistically on *what* is life? Studying life and biota, and what discerns it from the dead.
- Finding the isthmus between my future research and which diseases it can treat.

Education

All India Senior School Certificate Examination (CBSE Class 12) | 2019

Delhi Public School, Ruby Park, Kolkata.

Overall Percentage – Pending

All India Secondary School Examination (CBSE Class 10) | 2017

Delhi Public School, Ruby Park, Kolkata.

CGPA – 10

Standardised Tests

SAT | 2017

Score – 1530, Evidence Based Reading & Writing – 750, Math– 780, Essay score ---20

SAT Subject Tests | 2018

Mathematics - 800

Physics - 800

Biology – 790

Literature - -670

Advanced Placement Test I Biology - 4

Publications

Written and published two books of poems.

- **DAWN** : Anthology of poems about ‘human nature’ | 2017 ISBN: 978-93-5279-014-2
 - Launched by Honourable ‘Governor of West Bengal’
 - Interview published in leading newspapers <https://pothi.com/pothi/book/arushi-tandon-dawn>
- **SHADES**: Anthology of poems about “People and Society” | 2017 ISBN: 978-93-5279-090-6
Interview Published in leading newspapers. <https://pothi.com/pothi/book/arushi-tandon-shades>

Research

Title: 'Detachable Wheelchair for Movement of Immobile Patient without Physical Shifting with Provision of Fixing Over Commode'.

Abstract: This project presents an alternative design of a wheelchair which is build-in part of a modified bed. With easy adjustments, a part of the bed can be detached with patient over it, thereby eliminating the need of tedious-risky process of physically transferring the patient from bed to wheel chair and to commode every time. Moreover, this wheelchair comes with flexible adjustments and is built to slide over the commode so as to eliminate another risky transfer.

Dr. APJ Abdul Kalam IGNITE Award 2018: selected out of 90,000 entries, a National competition of original technological ideas and innovations, National Innovation Foundation, Department of Science and Technology, Govt of India. <http://nif.org.in/upload/Press-Release-Ignite-Awards-2018-15-October.pdf>

My Research work: <https://www.youtube.com/watch?v=IRGoSwzICK0>

<https://www.youtube.com/watch?v=iOyqtHdjYdl&feature=youtu.be>

- Worked under the guidance of Senior Principal Scientist of Council of Scientific and Industrial Research, Govt. of India. From May 2017 to July 2018.
- Applied for patent for 'Detachable wheelchair cum bed' Patent application number: 20831025658.
- Letter of appreciation from the Director, Defence Headquarters Training Institute, JS (Trg) & CAO, Ministry of Defence & Research work appreciated by various hospitals for the usefulness of this wheelchair to ease movement of bedridden patients.
- Research Paper published on www.academia.edu.

Community & Social work

Conceptualised and implemented - 'BAPU' (BachonAaoPadhoUtho) – an Android App developed with the purpose of providing used books to students. Another eminent purpose was preserving our natural resources. To halt the speedy process of deforestation which has resulted in such adverse climatic change was a driving force to create this app.

It is a platform through which 'knowledge' can be shared with all. Users can donate their used school books to others by putting up their book names and certain criteria as in the grade, the subject and the genre of the book on the app. In this way, the student who wants those books can easily search on this app, and can ask for the same from the giver by selecting that book. This way, we can start a cycle where wastage is minimized. This app is an eco-friendly drive that would also be beneficial towards prevention of paper wastage, thus, creating a sustaining environment for us all.

- BAPU was launched in 2017 on Google Play Store – Link: <http://goo.gl/LyPCr9>
- BAPU App Promotional Video : https://www.youtube.com/watch?v=9_vhek3yvNw
- Working method of BAPU App video: https://www.youtube.com/watch?time_continue=3&v=2UZ7VRkQ1zM
- Honourable 'Governor of West Bengal' Shri Keshari Nath Tripathi issued Letter of Appreciation.
- Secretary (Environment) cum – Chairman, Delhi Pollution Control Committee, Government of National Capital Territory of Delhi Shri Anil Kumar Singh issued Letter of Appreciation.
- Leading newspapers in Kolkata promoted and covered BAPU app through which awareness spread.
- Users shared the benefits and experiences through emails and social media platforms.

Internship

'Endeavour':An NGO catering to children with special needs **May 2018**

- Worked with special educators of 'Endeavour' as a volunteer assistant and helped in teaching and training daily living skills to the children with special needs.
- Taught simple English and Maths to children.

Achievements

State/National Level:

- **Dr. APJ Abdul Kalam IGNITE Award 2018:** selected out of 90,000 entries, a National competition of original technological ideas and innovations, National Innovation Foundation, Department of Science and Technology, Govt. of India
- **Jagadis Bose National Science Talent Search scholarship award:** Selected through National level talent search test and interview, <https://www.jbnsts.org/juschprg.php> | 2017.
- International **rank 21** & 4-times Gold Medal winner at zonal level in English Olympiad (IEO) | .
- State rank 5 in the 7th International English Olympiad held in January 2017.
- Awarded Merit Certificate by Duke Tip Asset Talent Search by Duke University | 2015.
- Selected for Workshop organized by JBNSTS at IISER(Indian Institute of Science Education and Research) to expose students to the trend of modern research in diverse fields of science | 2018.
- **'National Cultural Talent Search Scholarship 2016'** by CCRT, Ministry of Culture, India in Creative Writing (Poetry) till the age of 20 and recognized as a **National Scholar** and future National Asset by Ministry. http://ccrtindia.gov.in/CCRT_Scholarship_Live_Cases/LC_Year2016.pdf
- **3rd position** in city level English Elocution at 'Sri Aurobindo Institute' | 2015.
- Selected for National level competition for **'Bal Shree Award'** by National BalBhawan. Cleared zonal and state level competition. National award result awaited. <http://nationalbalbhavan.nic.in/>
- Distinguished performance in Assessment of Scholastic Skill Educational Testing (ASSET) | 2012 and 2013

School Level:

- Secured 95% in School Examination in Grade 9 & 10 | 2016 - 2017
- Honors Batch Holder 2015-2016(Secured 90%+ marks in all subjects for 3 consecutive years)
- Scholar badge for 4 consecutive years for securing 90%+ in all subjects in all terms in each academic year
- Selected as **Vice-Captain of school** and Guided 1200 students in Academics & extracurricular Activities.
- Received Certificates of Excellence in Mathematics, Science, Social Sciences, and French | 2014
- **1st position** in English literary quiz | 2015
- 1st position in inter-house science debate | 2016
- Outstanding performance in IT-WIZARD programmer | 2016-2017
- Awarded Merit Certificate for organizing Biology Quiz (BIO-QUEST-2018)
- Member of Interact Club & ECO-Club, participated in various events about cleanness, safety and environment preservation.

Athletics:

- National Level Athlete 100m (CBSE Inter School national games ,) represented 11 States (U-19) | 2017
- Gold Medal in 100m at CBSE School sports meet: (State level) | (U-19) 2017
- National Level Athlete (CBSE Inter School national games) represented 11 States (U-19) | 2016
- Gold Medal in 4x100m relay & Silver medal in 100m at CBSE School sports meet: (State level) | (U-19) 2016
- Gold Medal at National Inter School DPS Athletics (130 schools participation) 4*100 relay(U-14) | 2013& 2014
- National Level Athlete (CBSE Inter School national games) represented 11 States (U-14) | 2015
- Gold Medal in 100m at CBSE School sports meet: (State level) | (U-14) 2015
- Gold medal in 100m, 4x100m relay in CBSE school sports meet (city level) 2015
- Silver medal in 4*100m relay (U-14) at CBSE States sports meet | 2012
- 3rd position in long Jump at District level athletic meet (U-17) 2017
- 3rd position in 100m at District level athletic meet (U-17) 2017
- Bronze medal 200m (U-19) at CBSE state games | 2016
- Youthopia Triathlon Champion (city level inter school meet) | 2015,2016 & 2018
- Schools Champion (Best Athlete) in 100m, 200m & 4*100m relay, long jump |2015-2017
- Represented school in National swimming meet & National Inter DPS Swimming meet | 2014 & 2015
- 2nd position in long jump at CBSE interschool sports meet |2013
- Represented District at state level athletics sports meet (U-12) |2013
- Medals won at SELVEL (city level meet) in 100m, 200m, 800m & 4x100m | 2012
- Medals won at HILAND PARK SPORTS CLUB in lawn tennis, swimming, badminton & squash | 2012 - 2018

Music:

- Piano certification from Associated Board of Royal School of Music (ABRSM), UK
- Piano: Passed Grade 1 to 7 (Practical) & Grade 5 (Theory) 2011-2017
- Piano: Gold Medalist in Eastern India Grade 2 Theory & Merit in Grade 6 Practical | 2015
- Performed regularly at Calcutta School of Music, city level concerts 'Crescendo'
- Piano performance link: https://www.youtube.com/watch?time_continue=10&v=OM4BKO_OYDI

Social Work:

- Campaign for awareness of labour about cleanliness and safety at large construction project during National Safety week | 2018
- Collected old/new usable clothes, shoes & school material & donated to Mother Nest Society | 2014
- Financial contribution to PM Relief fund (flood relief) by selling homemade chocolates in neighborhood | 2014
- I utilized my scholarship (CCRT+JBNSTS) for education of one child (Identity not disclosed)