

**TANMAY ARORA**

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**Personal Details**

**Academic Address**

School of Chemical and Life Sciences  
Jamia Hamdard University  
Hamdard Nagar  
New Delhi- 110062

**Residential Address/ Address for Communication**

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Date of Birth: 23.05.1999

Gender: Male

Marital Status: Unmarried

Nationality: Indian

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**Educational Qualifications**

**Graduation (B.Sc. Hons.)**

*Jamia Hamdard University, New Delhi, India*

Subjects: Biology/Biotechnology

CGPA 9.33 (on a scale of 10)

Batch and University Topper

**12<sup>th</sup> Standard (2017)**

*Springdales School, Pusa Road, Delhi, India*

Subjects: English, Physics, Chemistry, Biology, Psychology

CGPA 8.2 (on a scale of 10)

**10<sup>th</sup> Standard (2015)**

*Springdales School, Pusa Road, Delhi, India*

Subjects: All compulsory

79.4%

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## Research Experience

**31<sup>st</sup> May 2021- Present** – Graduate Researcher, Michigan State University, Lousiana, USA.

- Engaged in the Bioinformatic Analysis of Molecular Signatures using Gene Set Enrichment Analysis (GSEA), under the mentorship of Dr. Laura Harris.
- Overall Project Goal: To identify gene expression changes associated with a selected disease using a signature-based approach to analyze mRNA expression data.

**1<sup>st</sup> May 2021- Present** – Graduate Research Fellow, Indian Institute of Technology (IIT), Gandhinagar.

- This project is centralized around the viability of incorporating stimulus-responsive proteins in optogenetics and the potential benefits and challenges of this novel focal stimulation approach called as ‘Nano-Optogenetics’.
- Developing nanobot technology for the controllable synthesis of nanoparticles with required optical, thermal and electrical properties, thereby facilitating the customization of such particles as neuronal activity nanosensors and nanocarriers for optogene delivery.
- Currently engaged in exploring the use of nanoparticles as optogene delivery systems through in-silico molecular docking and membrane simulation experiments, such that we can better explore and elucidate the conformational changes observed in stimulus-responsive proteins.

**1<sup>st</sup> August 2020- Present** – Founder & CEO, Unwired India

Website: [www.unwiredindia.com](http://www.unwiredindia.com)

- Founded a research-based neuroscience start-up focusing on ‘Neuroblends’ range of natural nootropics and next-gen immunomodulators for daily cognitive support, function and immune health.
- Transitioned to CEO role and lead technical product-design; built new focus for consumer neurotechnology.
- Conceptualising and developing natural nootropic (smart drug) formulations, immunostimulants, Himalayan herb blends and specialized amino-nutraceutical interventions and supplements for enhanced brain function and cognition, in an attempt to take 'Brain Nutrition' into the lives of people.
- Developing next-generation immunomodulators for enhanced immune function and protective immunity against Antibiotic Resistant Microbes (ARM) and other pathogens, including SARS-CoV-2 related pathologies and related neuro-behavioural changes.
- Leading R&D team operations and product-design for consumer-centric value proposition.

**1<sup>st</sup> May 2021- Present – Research Fellow & Growth Ambassador, Pine Biotech, New Orleans, LA, United States**

Pine Biotech is a tech transfer company from the University of Haifa, with a mission to simplify bioinformatics by enabling user-friendly multi-omics data processing, analysis, and integration. The primary goal of the organization is to strive towards improving human health and well-being by innovating biomedical data science education, research, and decision making.

- Awarded a 100% scholarship for the "Summer Research Fellowship Program 2021" and received the full "Omics Logic Program Scholarship".
- Currently engaged in the development of an independent research project, under the mentorship of the program coordinators.
- Exploring several high-quality research publications and learning about the applications of computational biology in projects these publications describe.
- Assessing, interpreting and evaluating the programmes, methodologies and outcomes of research; resolving problems of meeting research objectives and developing ideas for the application of research findings.
- Implementing computational biology techniques on public domain data, by working with large files and extracting meaningful information from patient samples, animal models, cell-lines, and microbiota for the proposed research idea.
- Representing the brand positively in a multitude of settings and working closely with sales and marketing staff to conceptualize marketing campaigns and strategies.
- Educating and building rapport with customers and collaborators, in reference to the available products.
- Tracking customer preferences, metrics and media campaigns.
- Brainstorming ideas and participating in training and workshops.

**1<sup>st</sup> January 2020- 1<sup>st</sup> January 2021 – Young Graduate Trainee/Young Researcher, Indian Institute of Technology (IIT), Delhi.**

- Engaged in the on-going R&D projects & activities, under the mentorship of Dr. Navneet Sharma, DST- Young Scientist at IIT- Delhi & DRDO.
- S&T Project: "Development of formulation for universal decontamination of chemical, biological, radiological and nuclear agents with minimal waste generation". Funded by Science for Equity, Empowerment and Development (SEED) Division, Department of Science and Technology (DST), Govt. of India; Category: S&T Project, Unclassified; Duration: Three Years; PDC: June, 2021; PI: Dr. Navneet Sharma, DST- Young Scientist (Scientific Guide); Role: Scientific Trainee under Dr. Raman Chawla (Mentor); Project Cost: 5300 USD; 38,00,000 INR.
- Publications: "Advanced ML approaches and in silico tools of Chemoinformatics in Drug Design". 2020. Elsevier. and "An Introduction to BLAST: Applications for Computer-Aided Drug Design and Development". 2020. Elsevier.

**1<sup>st</sup> December 2019- 1<sup>st</sup> December 2020** – Research Trainee, Institute of Nuclear Medicine and Allied Sciences (INMAS), Defense Research and Development Organization (DRDO), Ministry of Defense.

- Submitted Graduate Research Thesis entitled “*In silico and In vivo studies to identify potential phosphodiesterase enzyme 5 (PDE- 5) inhibitor against radiation-induced cutaneous and central nervous system (CNS) syndrome*”.
- Engaged in Technology Development for Management and Mitigation of COVID- 19 pandemic. Developed a normal respiratory spray for masks, a powerful viral deactivation and sanitation device and an effective ergonomically-curated bio-suit as a part of the ongoing R&D activities at the Institute.
- Worked on a neuro-computational team project aimed at creating an automated alignment algorithm based on Artificial Neural Network (ANN) architectures to create a BLAST plugin for accelerating the discovery of viral mutants and variants across SARS- CoV-2 sequences and other related viral genomes.

**1<sup>st</sup> January 2018- 1<sup>st</sup> November 2019** – Young Scientist Apprentice, Bionova Corporation and Medigel India. Assisted in the development of products for the management of Diabetic Neuropathy and Traumatic Brain Injury. Assisted in product development of Human Skin Mimetics (HSM) and Drug Delivery Systems (DDS).

**1<sup>st</sup> May 2016- 10<sup>th</sup> September 2017** – Student Trainee, Defense Research and Development Organization (DRDO), Ministry of Defense, New Delhi, India. Submitted a Research Project Report entitled “*In silico chemi-informatics based study for the selection of probable herbal candidates targeting multi-drug resistant enteropathogenic Escherichia coli*”.

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## **Languages**

English (IELTS Band 8.5), Hindi, Punjabi and German (Beginner-Intermediate). Interested in learning coded mathematical languages used as universal system for decoding practices world-wide as well as foreign languages.

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## **Projects/Research/Training Experience**

- ✚ Training Course as a part of the on-going R&D activities at the Institute of Nuclear Medicine and Allied Sciences (Defence Research and Development Organization (DRDO)).
- ✚ Investigatory project on “Development of an App for miniature smart phone spectrophotometer interface” in collaboration with MSc and PhD students of Indian Institute of Technology (IIT), New Delhi, India.
- ✚ *In silico* chemi-informatics based study for the selection of probable herbal candidates targeting multi-drug resistant enteropathogenic *Escherichia coli*. Project done at the Institute of Nuclear Medicine and Allied Sciences (Defence Research and Development Organization (DRDO), Delhi (May-June 2018).

- ✦ Pursuing Digital Digital Diploma in Infectious Diseases from the Institut Pasteur, France (DNM2IP): Vaccinology, Emerging and Remerging Viruses, Epigenetics, Modelling of Infectious Diseases and Viruses and Human Cancers.
- ✦ Marketing Analytics, Darden School of Business, University of Virginia, United States of America (Successfully Completed Online; Scored 94.5%)
- ✦ Becoming a Change Maker: Introduction to Social Innovation, University of Cape Town (Successfully Completed Online; Scored 96%)
- ✦ Managerial Skills for Interpersonal Dynamics, Indian Institute of Technology (IIT), Roorkee, India (Successfully Completed Online; Scored 94%).
- ✦ Introduction to Machine Learning, Indian Institute of Technology (IIT), Madras, India (Successfully Completed Online; Scored 92%)
- ✦ Bio-Informatics: Algorithms and Applications, Indian Institute of Technology (IIT), Madras, India (Successfully Completed Online; Scored 61%).
- ✦ Principles of Human Resource Management, Indian Institute of Technology (IIT), Kharagpur, India (pursuing online course).
- ✦ Entrepreneurship Essentials, Indian Institute of Technology (IIT), Kharagpur, India (Successfully Completed Online; Scored 46%).
- ✦ Participated and Successfully completed the TEQIP- III sponsored online short term course/workshop on “Computational Tools for Analysis of Biological Systems” organized by the Department of Biotechnology, Dr. B.R. Ambedkar National Institute of Technology, Punjab, India from September 02-06, 2020

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### **Scholastic Honors and Awards**

- ✦ **Vice Chancellor Excellence Scholarship 2021**, sponsoring a full 100% waiver on the total annual tuition fee for the entire duration of Master's study at the La Trobe University, Australia.
- ✦ **Rank One**, B.Sc. Biotechnology, Jamia Hamdard University, New Delhi, India (Semester VI) (2019-2020).
- ✦ **Rank One**, B.Sc. Biotechnology, Jamia Hamdard University, New Delhi, India (Semester V) (2019-2020). [Perfect 10 SGPA; University topper].
- ✦ **Rank One**, B.Sc. Biotechnology, Jamia Hamdard University, New Delhi, India (Semester IV) (2018-2019).
- ✦ **Rank One**, B.Sc. Biotechnology, Jamia Hamdard University, New Delhi, India (Semester III) (2018-2019).
- ✦ **School Prefect** in Class XI and XII, Springdales School, Pusa Road, New Delhi, India (2014 & 2015).
- ✦ **Class Representative** in Class IX and X, Springdales School, Pusa Road, New Delhi, India (2012 & 2013).
- ✦ **Awarded Second Position** in the Multimedia Contest at the SYNC 2015, Annual Inter School Computer Symposium held at New Era Public School, Mayapuri Road, Delhi, India (2015).

- ✚ Volunteered and Acted as a “***Scribe for Completely Visually Challenged (Blind) Students***” in the **CBSE Board Examinations**, New Delhi, India (2012-2013).
- ✚ ***Certificate of Appreciation*** for active participation in the ‘**Life Empowerment Awards for Schools**’ on 30<sup>th</sup> August 2013 organized as an initiative of ‘Expressions India’, The National Life Skills, Values Education and Schools Wellness Program in collaboration with the National Science Centre, Pragati Maidan, New Delhi, India (2013).
- ✚ Participated in the Filmit India project organized by the Indian National Trust for Art and Cultural Heritage (INTACH) (2013).
- ✚ ***Secured Third Position*** in the Africa Week Quiz Competition. Organized by Springdales School, Pusa Road, New Delhi, India (2012).
- ✚ ***Secured Second Position*** in the “**Africa Week Quiz**”. Springdales School, Pusa Road, New Delhi, India (2013).
- ✚ ***Certificate of Merit*** for an Exceptional Holiday Homework Project. Springdales School Book Week Event (2012-2013).
- ✚ ***Awarded Consolation Prize*** in the “**Science Symposium**” at Springdales School, Pusa Road, New Delhi, India (2012).
- ✚ Participated in the “**Filmit India Project**” organized by the Indian National Trust for Art and Cultural Heritage (INTACH) (2012).
- ✚ Participated in “**Science and Maths Symposium**”. Held at Springdales School, Pusa Road, New Delhi, India (2012).
- ✚ Awarded ***Certificate of Appreciation*** by the State Resource Center, Jamia Millia Islamia for making two persons literate under the “**Saakshar Bharat Mission**”, New Delhi, India (2012)
- ✚ ***Certificate of Merit*** for Excellent Project Work. Springdales School Book Week Event (2011-2012).
- ✚ Awarded ***Certificate of Merit*** for Excellent Project Work by Springdales School, Pusa Road, New Delhi, India (2011).
- ✚ Participated in “**Science and Maths Symposium**” at Springdales School, Pusa Road, New Delhi, India (2011).
- ✚ Made One person literate under the “**National Literacy Mission**” (2011) and Three persons literate under the ‘Each One Teach One’ Programme at Springdales School.
- ✚ Regular contributor of the School Magazine, which is run by the Springdales Faculty.
- ✚ Worked at the N.P.Girls’ School as a peer mentor, working with over 40 underprivileged girls and giving them company, aiding them with classes, providing them with better stationery and resources and conducting menstrual health workshops.
- ✚ Participated in the Slide Wizards event at the “**Junior Flash Inter School Computer Competition**”. Organized by Raghubir Singh Junior Modern School, New Delhi, India (2009)
- ✚ Awarded Certificate for participation in the “**Junior Flash Inter School Computer Competition: Slide Wizards**”; Organized by Raghubir Singh Junior Modern School, New Delhi, India (2009)

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## **Presentations and Conferences**

- ✚ Presented a research paper titled “Isolation and Extraction of Surface Layer proteins from Lactobacillus species of Fermented Foodstuffs like Kefir Milk” at the 3<sup>rd</sup> International Conference on Food, Agriculture and Veterinary Sciences in Izmir, Turkey.
- ✚ Presented a research paper at the 4<sup>th</sup> One Day National Webinar New Horizons in Drug Discovery & Development (NHDDD-4) on “Innovative Research and Challenges in Pharmaceutical Sciences” as a sponsored delegate on 11<sup>th</sup> March, 2021.
- ✚ Participated in the webinar on “How to improve your presentation and networking skills”, organized by Euraxess India- “Researchers in Motion” on 12<sup>th</sup> March, 2021.
- ✚ Participated in the 1<sup>st</sup> International Conference on Artificial Intelligence and Data Analytics (CAIDA 2021) from 6-7 April, 2021 held online at the Prince Sultan University, Riyadh, Saudi Arabia.
- ✚ Research paper accepted for Publications in the Conference proceedings of the first International Conference on Innovations in Biotechnology and Life Sciences (ICIBLS 2020) organized by the Department of Biotechnology, Delhi Technological University (18<sup>th</sup> December 2020 to 20<sup>th</sup> December 2020).
- ✚ Participated in the International Research Paper Writing Competition 2020, themed ‘International Order Post COVID- 19’, collaboratively organized by the Kathamandu School of Law Review (KSLR), Amnesty International Fusion Youth Network (AIFYN) and Cognition Club.

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### **Cyber Olympiads**

- ✚ Participated in the 16<sup>th</sup> National Science Olympiad (2013).
- ✚ Received 157<sup>th</sup> International and 98<sup>th</sup> City rank in the Science Olympiad Foundation’s 15<sup>th</sup> National Science Olympiad (2012).
- ✚ Participated in the NAO (Journey to NASA- Astronomy Olympiad) at School Level Examination (2012).
- ✚ Participated in the 1<sup>st</sup> International English Olympiad, organized by the Science Olympiad Foundation and was awarded a Certificate for the same (2011).
- ✚ Participated in the 14<sup>th</sup> National Science Olympiad (2011).
- ✚ Participated in the 11<sup>th</sup> National Cyber Olympiad (2011).
- ✚ Participated in the 7<sup>th</sup> National Cyber Olympiad (2007).
- ✚ Awarded a Certificate for Distinctive Performance in the 7<sup>th</sup> National Cyber Olympiad of the Science Olympiad Foundation (2007).

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### **Publications**

Books:

1. **Tanmay Arora** Introduction to Shell Scripting and Python Programming 2020. Lambert Academic Publishing (ISBN: 978-620-2-67768-4)
2. **Tanmay Arora**, Asrar A. Malik Comprehensive Bioinformatics: Algorithms and Applications. 2020. (in-progress)



#### Book Chapters:

1. **Tanmay Arora**, Asrar A. Malik. An Introduction to BLAST: Applications for Computer-Aided Drug Design and Development. 2020. Elsevier (in-press)
2. Shweta Kulshreshta, **Tanmay Arora**, Navneet Sharma, Raman Chawla, Pawan Kumar Raghav. *In silico* software based approaches in Chemoinformatics. 2020. Elsevier (in-press)
3. **Tanmay Arora**, Asrar A. Malik. In silico Modular Predictive Toxicology Frameworks: An Analysis of Advanced Approaches, Tools, Platforms and Software (in-press)

#### Research Papers:

1. **Tanmay Arora**. Techno-mimicry and Personalized Medicine: A Neurotechnological Paradigm Shift 2020. (in-progress)
2. Shweta Kulshreshta, **Tanmay Arora**. Therapy for the treatment of cutaneous combined Radiation and Surgical induced wounds designed to study multiphase healing response: A Pre-Clinical study. 2020. (in-press)
3. Shweta Kulshreshta, **Tanmay Arora**. Targeting Inflammatory Phase mediators of wound healing by the selection of PDE-5 inhibitor using *in-silico* Bioprospection. 2020 (in-press)
4. Shweta Kulshreshta, **Tanmay Arora**. In-silico Bioprospection approach for Identification and validation of synthetic compounds targeting Proliferatory phase in Wound healing. 2020 (in-press)
5. Shweta Kulshreshta, **Tanmay Arora**. Classical Bioprospection approach and in-silico validation to develop potent PDE-5 inhibitor compound against Remodeling Phase of Wound healing. 2020 (in-press)
6. Shweta Kulshreshta, **Tanmay Arora**. Demystifying asymptomatic transmission of Human SARS-CoV-2. 2020 (in-progress)
7. **Tanmay Arora**, Vibhav Rawat. Human Rights in the light of Technology: Exploring the Interface and Assessing the Intersectionality. 2020 (in-progress)
8. Shweta Kulshreshta, **Tanmay Arora**, Utkarshdeep Sharma, Akshay Narula, Raman Chawla. Comprehensive review on the morphological and biochemical properties of Skin Wound Healing (in-press)

#### Thesis:

1. In silico and In vivo studies to identify potential phosphodiesterase enzyme 5 (PDE- 5) inhibitor against cutaneous radiation syndrome.
2. *In silico* chemi-informatics based study for the selection of probable herbal candidates targeting multi-drug resistant enteropathogenic *Escherichia coli*.

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### **Funded Science and Technology (S&T) Projects**

1. “Development of COVID- 19 Mitigation and Medical Management Technologies”; Developed a novel respiratory spray, a viral deactivation and sanitation device and a robust biosuit ‘Protecton’ as a part of the ongoing R&D team activities at the Defence Research and Development Organization (DRDO).
  2. “Development and Evaluation of Bioprotective Dermal Formulation Against Traumatic And Radiation Induced Skin Wounds”; Funded by Government of India, Defence Research and Development Organization (DRDO); Category: S&T Project, Unclassified; Duration: Six Years (June, 2015 to June, 2021); PDC: June, 2021; PI: Dr. Raman Chawla, Scientist- ‘E’; Role: Scientific Trainee under Dr. Raman Chawla (Mentor); Project Cost: 449,076 USD; 3.5 crore INR.
  3. “Development of formulation for universal decontamination of chemical, biological, radiological and nuclear agents with minimal waste generation”; Funded by Science for Equity, Empowerment and Development (SEED) Division, Department of Science and Technology (DST), Govt. of India; Category: S&T Project, Unclassified; Duration: Three Years; PDC: June, 2021; PI: Dr. Navneet Sharma, DST- Young Scientist (Scientific Guide); Role: Scientific Trainee under Dr. Raman Chawla (Mentor); Project Cost: 5300 USD; 38,00,000 INR
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## **Relevant Academic Coursework in Science**

Cellular Biology and Biomolecules, Molecular Biology, Molecular Genetics, Genetic Engineering, Enzymology, Animal Biotechnology, Plant Biotechnology, Biotechnology and Human Health, Bioinformatics, Genomics and Proteomics, Immunology, Basics of Computer Science and Statistics, Chemistry, Environmental Studies, Basics of Physics and Mathematics, Genetics, Microbiology, Plant Anatomy and Physiology, Bioprocess Technology, Industrial Microbiology, Developmental Biology and Physiology, Organic and Inorganic Chemistry, Physical Chemistry, Plant Biochemistry, Microbial Biochemistry, Nutritional Biochemistry, Applied Biology and Biotechnology, Animal Physiology, Ecology and Environmental management.

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## **Practical Skills/Techniques Learnt**

UV-Visible Spectrophotometry, Chromatographic techniques, Protein extraction and purification techniques, Temporary slide preparation and staining, Differential and Density Gradient Centrifugation, Agarose gel electrophoresis, SDS-PAGE, Isoelectric focusing and 2D-PAGE, Blotting techniques, Dot blotting, ELISA, Immunoprecipitation, Nucleic acid isolation and purification techniques, Back titration and Blank titration for C.O.D estimation, Microscopy, Bioinformatics and Cheminformatics- Data retrieval, Sequence alignment, Phylogenetic Analysis, Protein Structure and localization prediction, *in silico* molecular docking using Maestro 9.2- Schrödinger workspace.

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## **Computational Skills**

Windows, UNIX, LINUX, Macintosh operating systems, Python (learning), Swift and X-code (learning), Microsoft Word, Microsoft Excel, Pages, Numbers, Keynote, Powerpoint, imovie, Adobe After effects CS-6, Final Cut Pro, Logic Pro X, Bioinformatics & Chemoinformatics tools and algorithms.

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## **Extracurricular Activities**

- ✚ Working with Entrepreneurship Cell of the Jamia Hamdard.  
Website Designing: Designed User-friendly website of Jamia Hamdard University  
<http://jamiahamdard.edu/>
- ✚ Created the Computer Sciences and Programming Club (Aces Club) at Springdales School, Pusa Road.
- ✚ Active participant of School Dramatics Club and Musical Choir.
- ✚ Fond of Music; participated in various shows/competitions from time-to-time and won several awards.
- ✚ Love to read and write poetry and science fiction.

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## **International Participations in Events**

- ✚ Selected for a fully-funded International Cooperation Programme by “**International Festival of Language & Culture (IFLC)**” (2016). Was sponsored to Kazakhstan and Kyrgyzstan for the International Programme during April-May 2016. IFLC is a premier organization for promoting world languages and cultures. It is dedicated to cultivating artistic self-expression among youth and creating a platform from them to share their cultural heritage with peers around the world.
- ✚ Individual Presentations made during the “**14<sup>th</sup> International Festival of Language & Culture**” at the Kazakhstan Central Concert Hall in the Capital City of Astana (now renamed as Nur-Sultan), Kazakhstan on April 30, 2016 before an audience of 3500 people. Streamed live on Youtube, Periscope, and other online streaming platforms. Appreciation by Officials of the Ministry of Kazakhstan, Senior Delegates and the Hon’ble Ambassador of India to Kazakhstan. <https://www.youtube.com/watch?v=Aw29Tq49YDc>
- ✚ Individual Presentations made as a part of the “**14<sup>th</sup> International Festival of Language & Culture**” at the Kozhomkul Sport Palace, Bishkek, Kyrgyzstan on May 6, 2016 before an audience of approximately 1500 people. Streamed live on Youtube, Periscope, and other online streaming platforms. Appreciation by Officials of IFLC, the Ministry of Kyrgyzstan, Senior Delegates and the Hon’ble Ambassador of India to Kyrgyzstan. <https://twitter.com/intflc/status/728538134686863360?lang=en>
- ✚ Appreciation for Wonderful Performance by the Embassy of the Federal Republic of Germany, United Buddy Bears, Germany (2012). Opened for the “**Buddy from Berlin Open Air Exhibition**” Organized by the Embassy of the Federal Republic of Germany in New Delhi, India on 27<sup>th</sup> March, 2012.
- ✚ Participated in the International Festival of Language & Culture- Event ‘**Colours of the World**’ Organized by the International Festival of Language & Culture, in association with the Ministry of Culture, Government of India and the UN Information Centre for Indian and Bhutan- held in 2016 at the Talkatora Indoor Stadium, New Delhi, India.
- ✚ Participated in the **Mitsubishi Asian Children’s Enikki festa (2010-2011)** at New Delhi, India. The event was organized by the Confederation of UNESCO Clubs and Associations of India (CUCAI) in 24 Asian countries to promote mutual understanding and support Literacy Programmes.
- ✚ Participated in the Song Competition as a part of the **European Union (EU) Sanskriti Kids Mela 2011** held on 11<sup>th</sup> November, 2011 at New Delhi, India.

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#### **National Level Participations in Events**

- ✚ **Rendered an Interfaith Invocation to His Holiness The Dalai Lama. An Interactive Dialogue on Peace.** Springdales School, Pusa Road, New Delhi, India (April 09, 2016)
- ✚ **Recorded 2 National Advertisements for the Delhi Government**, which were aired on the Akashwani- All India Radio for over 5 months.
- ✚ **Presentation made before Hon’ble President of India** Sh. Pranab Mukherjee in President’s House, New Delhi, India (2015).

- ✚ **Presentation made before Honbl'e President of India** Dr. APJ Abdul Kalam, New Delhi. Event Coordinated by Ramakrishna Mission, Sharada Children's Forum, New Delhi.
- ✚ **Presentation made before Hon'ble President of India and Hon'ble Prime Minister of India** during 150<sup>th</sup> Birth Anniversary of Swami Vivekananda at Vigyan Bhawan, New Delhi, India. The programme was Telecast Live on Doordarshan and other National Channels from Vigyan Bhawan, New Delhi. The event was coordinated by Ramakrishna Mission, New Delhi (2013).
- ✚ Attended the **State Level Youth Convention** with the theme '**Awakening The Youth Power**' at Ramakrishna Mission, New Delhi, India from 18<sup>th</sup> to 20<sup>th</sup> October 2013.
- ✚ **Presentation made before Dr. Kiran Bedi**, The event was coordinated by Ramakrishna Mission, Sharada Children's Forum, New Delhi (12 Jan 2012).
- ✚ Participated as a member of the Springdales School Musical Choir Group in the "**National Child Awards Programme**" of the Ministry of Women and Child Development held at Vigyan Bhavan, New Delhi, India on 14<sup>th</sup> November, 2011.
- ✚ **Presentation made before Dr. Karan Singh**. The event was coordinated by Ramakrishna Mission, Sharada Children's Forum, New Delhi (2011).

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#### **University/College/School Level Participations**

- ✚ Received Certificate of participation in Binary Flow organised by Atal Bihari Vajpayee Indian Institute of Information Technology & Management, (ABV- IITM) Gwalior, Madhya Pradesh.
- ✚ Received Certificate of participation in First Preliminary Round of Inquisitive- The Ultimate Business Quiz organized by Institute of Management Technology (IMT), Hyderabad.
- ✚ Participated in the Inter-Institute Chess SYS Annual Mega Sports Event- 2019 and secured the first position, organised by Society of Young Scientists, held on 25th February 2019 at AIIMS, New Delhi.
- ✚ Received Certificate of participation in Merkle- The Blockchain Case Competition of The Red Brick Summit 2019, organized by Indian Institute of Management (IIM), Ahmedabad (2019).
- ✚ Received Certificate of participation in ACS-DTU Stem Quiz organized by Delhi Technological University (DTU).
- ✚ Received Certificate of participation in Pan India GoCrackIt Challenge on Investment Banking held on 23 May, 2020 by IIM- Bangalore, NSRCEL and Goldman Sachs.
- ✚ **Awarded Special Prize** in Urdu Poetry, Jamia Hamdard University (2018).
- ✚ Received Certificate of participation in the Inter-House Song Competition held at Springdales School, Pusa Road, New Delhi, India (2016).
- ✚ **Awarded First Prize** in the Surlehri Music Solo Singing Competition held at St. Thomas' School on 20<sup>th</sup> July 2015.
- ✚ **Secured Second Position** in the North-West zone group song event, organized by Jamia Millia Islamia and the Delhi Schools Literacy Project, 2015.

- ✚ **Secured Second Position** in the Inter-House Song Competition. Springdales School, Pusa Road- 2015.
- ✚ **First Position** in the “**British Council’s Inter School Indian Music Competition**” (Group) held on 24<sup>th</sup> July, 2014 at St. Thomas’ School and was awarded the 1<sup>st</sup> position.
- ✚ **Secured Third Position** in the Inter House Song Competition. Springdales School, Pusa Road for the year 2013.
- ✚ **Secured Third Position** in the Inter House Song Competition. Springdales School, Pusa Road for the year 2012.
- ✚ Participated in the Inter House Song Competition held at Springdales School, Pusa Road in the year 2011.
- ✚ Participated in the Indian Music (Group) Competition- CONNECT 2011, held at Mater Dei School, New Delhi.
- ✚ **Secured First Position** in Poetry Recitation at Springdales School, Pusa Road, India (2011).
- ✚ Participated in the Gita Saar Contest 2011-2012. Organized by the International Society for Krishna Consciousness, New Delhi.
- ✚ Self-composed poem- “*My Idea of Tomorrow*” published in Children’s World Magazine (2007)
- ✚ Participated in the Annual Day (School Choir, School Report, Annual Day Ballet [All scenes] and a **Prize Winner**.
- ✚ Participated in the Mamapuri Festival (Dance, Choir and Compering)
- ✚ Participated regularly in School Sports Day.
- ✚ Participated in several functions at the Embassy of Germany, Africa, Russia, British Council etc. in New Delhi, India. Events coordinated by Springdales School, Pusa Road, New Delhi, India.

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### **Activities and Societies, School and University**

Student Council Member 2012-2015; Founder & Representative of the Computer Science & Technology Club; Award for Academic Excellence 2014-2016; Scholastic Awards in several inter-school Annual Science & Computer Science Conferences and Symposia; Various co-scholastic and extracurricular awards for Music, Movie Making, Animation, Debating, Oratory, Writing & Poetry at School, State and National Levels.

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### **Volunteer, School & University Community Service Program**

- ✚ Volunteered as a peer mentor at a local girls' school (N.P. Girls' School), working with over 40 underprivileged students and giving them company, aiding them with classes, providing them with better stationery and resources, and conducting menstrual health workshops.
- ✚ Assisted as a part of the Adopt-A-Gran Project (The project looks at student interaction with the abandoned elderly in old-age homes. We spend time with them through group interactions, music programs, and helping them with their chores.)

- ✚ Volunteered and Acted as a "Scribe for Completely Visually Challenged (Blind) Students" in the CBSE Board Written Examinations, New Delhi, India (2012-2013).
- ✚ Assisted in the school special needs center on a rotation basis.
- ✚ Spent 2-4 hours weekly, under the community service programme at the Delhi Heart and Lung Institute (DHLI)
- ✚ Actively participated as a member of 'Expressions India', The National Life Skills, Values Education and Schools Wellness Program in collaboration with the National Science Centre.
- ✚ Made four persons literate under the "Saakshar Bharat Mission" and the "National Literacy Mission".

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### **Independent Participations, including Free Lancing**

1. Launched a Music Record Label called '**Originate Records**' to provide a platform for independent artists from across the country.
2. Launched an independent music album on all worldwide streaming platforms.
3. Released over 30+ songs including collaborations with various music producers and artists from across the country & overseas, with over 80,000+ online music streams across all platforms.
4. A joint music EP of 7 tracks released at an event held at JW Marriot Hotel, Bangalore, India.
5. Developing a user-friendly App for filing copyright forms for written and performing arts.
6. Developed a heartbeat synchronized light and sound system that delivers a unique user-experience.

### **References**

#### **A. Dr. Asrar A. Malik**

Guest Lecturer

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Jamia Hamdard University

New Delhi, India

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#### **B. Dr. Ameeta Mulla Wattal**

Former Chairperson, National Progressive Schools' Conference (NPSC) & Principal, Springdales School, Pusa Road.

Member, Advisory Board and Governing Board Member, Central Board of Secondary Education, (CBSE) and Member, Panel of Experts at the OSLO Coalition at the Nobel Institute and UNESCO committee in Geneva for Education of Peace and Human Rights.

Member, Advisory Board of India International Centre (I.I.C), National Council for Teacher Education (N.C.T.E) and Advisory Board, Delhi Government.

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**Declaration**

I, **Tanmay Arora**, hereby declare that the information furnished by me is factually correct to the best of my knowledge and belief.

Dated: 31<sup>st</sup> May, 2021

Tanmay Arora