

DIVIJ GUPTA



Passionate learner with a flair for **science communication**, **public speaking**, and **creative expression** through writing and music. Enthusiastic about STEM with hands-on experience in programming and project-building. Known for blending **logic with empathy**. Always seeking bold challenges that push boundaries and spark meaningful impact.

divijprofile@gmail.com

divij1gupta@gmail.com

divijgupta@exospace.co.in

+91 9958430707

New Delhi, India

<https://www.exospace.co.in>

EDUCATION

High-School

Welham Boys' School,
Dehradun, Uttarakhand,
India - 248001

Affiliated with CBSE

High School Senior

Grade XII

Graduation in March'26

Grade XI - 97.0%

CBSE Grade X - 98.5%

Grade IX - 96.6%

AP Calculus AB - 5/5

AP Physics C:
Mechanics - 5/5

AP Computer Science
Principles - 5/5

AP English Language
and Composition - 4/5

PSAT Mathematics - 760/760

PSAT Evidence Based
Reading and Writing -
700/760

Test of English as a Foreign
Language (TOEFL) -
113/120

LANGUAGE PROFICIENCY

English >>>>>>

Hindi >>>>>>

German >>>>

Qualified A2 German
Exam by Goethe-Institut

PROFESSIONAL EXPERIENCE

Intern, Aeronautical Development Agency, Ministry of Defence (Mar'25-Apr'25, 40hr/wk)

- Spearheading Research in Advanced Technological Directorate on AI/ML integration for CFD Simulations.
- Optimized Attack Helicopter and fighter jet aerodynamics using ANSYS ICEM CFD, Fluent, MATLAB and Python

Intern, Data Analyst and Scientific Computing, Indian Institute of Tropical Meteorology (Dec'23 - Jan'24, 48hr/wk)

- Worked under Dr. Manmeet, a Scientist (Rank-D) pursuing his Doctorate in Climate Sciences at Indian Institute of Tropical Meteorology, inferring the data of the VolMIP-CMIP6 Experiments for the Indian Core Monsoon region using Python.

Intern, Luminox Automation Private Limited, 2024-25 (10wk, 3hr/wk)

- Combined technical expertise with business acumen to develop IoT and automation solutions, optimizing systems by 10%.
- Mentored by Fahad Khan, Founder and CEO, to implement IoT and Robotics techniques to everyday applications.

Research Intern, Astrophysics, Mr. Arkajit Aich, Atria University (Oct'24 - Present, 4hr/wk)

- Spearheaded research on advanced mining techniques and sustainable extraction methods for Martian resources.
- Focused on building analysis and resource collection techniques, including project plans for human missions.

ACADEMIC CREDENTIALS

- Professional Certification on Full-Stack software development, IBM, which comprises 12 certifications ranging across Python, JavaScript, HTML, React, and SQL (6 Months, 9hr/wk).
- Space Science, Technology and Applications Course, Indian Space Research Organisation.

Guardian Details :

+91 9999930707

Niti Aggarwal

nitiagggarwal85@gmail.com

DIVIJ GUPTA

Website (Self-Developed): <https://www.exospace.co.in>

Mailing Address:
Pitampura
New Delhi, India - 110034

School Address:
Welham Boys' School
Dehradun, India-248001

TECH SKILLS

- Robotics (Arduino C++)
- Python • HTML/CSS
- Java • Dart
- MATLAB • MS Office
- Powershell • Wordpress
- JavaScript • LaTeX

LEADERSHIP

Academic Captain 2025-26
Debating Society President
(English) 2025-26
Editor-in-Chief, Wavelength
IAYP Award Captain 2025
Student Incharge Science
Club 2024-26
Under-Secretary General
WELMUN'25
Student Representative of
School Safety Committee
Senior Member: MUN
Society, LRC Council,
Quizzing Club
Senior Editor: Flagship
Magazine (Oliphant), Literary
Magazine (Inkwell), Political
Magazine (Politica),
Financial Magazine
(Innoventure)
Scriptwriter: Welham Newz
(Audio-Visual Production)

EXTRACURRICULARS

- Design Intern and
Flourished my front-end
coding skills to develop
Applications, which have
been published nationally
at DesignoWeb Inc.

- Astronomy: Exploring Time and Space, University of Arizona.
- Remote Sensing Technology Course, Indian Space Research Organisation.
- Overview of Geographic Information Systems Course, Indian Space Research Organisation.
- Digital Cinematography and Video Editing Certification by Film and Television Institute of India (2 week, 56hr/wk)

PROJECTS

- Designed a Wifi-controlled robot (Hardware and Software), with the ability to move using a website that controls the rover's Wifi module. (2 Month, 7hr/wk)
- Attended the AI Scholars' Summer program by InspiritAI and designed a Project to search for exoplanets with a given database from NASA. (2 Weeks, 28hr/wk)
- Built a Green Building project, with stationary and working elements, including Piezoelectricity and Green HVAC Model. (4 Months, 10hr/wk)
- Spearheaded aeromodelling and drone building project, and worked on its aerodynamic efficiency. Presented at the Indian Institute of Technology, Delhi in collaboration with Rancho Labs.

COMMUNITY SERVICE

Founder, Kidmantree App and Initiative (Oct'24 - Present)

- Empower youth through expert guidance and community support for navigating life with separated parents.
- The app offers advice on overcoming personal challenges with the help of on-board psychologists.

Founder, STEMspire, Non-Governmental Organization (Dec'23 - Present)

- Promotes STEM awareness, career prospects, and integration with Arts, including government schemes.
- Spearheaded workshops and curricula for application-based learning in schools across India, and conducted outreach programs by collaborating with different organizations.
- Engaged 20+ members to impact 3000+ students globally.

Project Leader, Mohini Maitre Dignity in Humility IPSC Service Project 2024 (Sep'24-Oct'24)

- Spearheaded workshops on sustainable farming and SEL.
- Directed impactful initiatives on women's health.
- Led programs promoting environmental conservation and leadership.

Guardian Details :
+91 9999930707

Niti Aggarwal
nitiagggarwal85@gmail.com

DIVIJ GUPTA

CONTACT DETAILS

E-Mail:

divijprofile@gmail.com
divij1gupta@gmail.com
divijgupta@exospace.co.in

Telephone:

+91 99584 30707
+91 99999 30707

PUBLICATIONS AND RESEARCH

- Lead Organizer, TEDxYouth@WBS, May 2025. Spearheading management team to output and impact a larger audience than previous editions.
- Completed the Winter ascent of Brahmatal Trek altitude 12250 ft. the guidance of Himalayan Hikers Organisation.
- Distinction Certificate for Initial Grade and Grade 1 keyboard and Piano respectively by Trinity College London and Pianist in the school's Orchestra "The Ensemble"
- Best Speakers and Qualification to the Intermediate Round of the Indian Schools Debating Championship placing Top 60 Nationally.
- 4 Best Delegates at Model United Nations including IPSC National Level.

- Published research on "Green Engineering in Building Design" in the International Journal for Multidisciplinary Research analyzing the adoption of solar energy, daylighting systems, rainwater harvesting, and smart home technologies, emphasizing their cost-effectiveness and impact on sustainability.
- Written a Science Fiction Novella titled, "The Arctic Veil" as part of the BriBooks Writing competition, which has been awarded with the Platinum Medallion and is also the Uttarakhand Best Seller Book, and continues to provide Author Royalty.
- Authored Review Paper titled "Hypersonic Propulsion Systems Review" which was published under the Journal "World Scholars Review"
- Authored article on 'Characterizing Exoplanet Atmospheres: Insights from Space Telescopes' published in Uttarakhand News Hours.

AWARDS & HONORS

- Achieved the AP Scholar with Distinction Award (2024) through College Board
- Awarded the 1st Rank at the Indian Space Science Olympiad in the Super Senior Category.
- Hat-Trick Consecutive winner in Centre for Education in Mathematics and Computer Sciences Hypatia (XII), Galois (XI) and Friar (X) contests with school topper and distinction certificate, University of Waterloo.
- Qualified the Indian National Mathematics Olympiad (INMO)
- Qualified the Indian National Artificial Intelligence Olympiad (INAIO)
- Achieved the "High Distinction" certificate, the highest honor in the International Chemistry Quiz by the Royal Australian Chemical Institute
- Ranked 23rd, and achieved the Gold Medal and scholarship in the Unified Cyber Olympiad.
- Ranked 50 Internationally in the Indian School Talent Search Olympiad and Achieved Certificate of Merit.
- Qualified Finals in the Genius Olympiad for Coding Category, to be held at Rochester Institute of Technology, USA.

Summer Programs

- Immerse Education Cambridge University, UK Program in Engineering Earned 30% Scholarship through Essay Competition
- Advanced Space Academy, 2024 U.S. Space & Rocket Centre Huntsville, United States Collaboration with NASA

Guardian Details :
+91 9999930707

Niti Aggarwal
nitiaggarwal85@gmail.com