



HARSH CHAUHAN



ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	M.Sc in Physics	Indian Institute of Technology, Delhi	9
2020	B.Sc. Physics(Hons)	Deen Dayal Upadhyaya College, University of Delhi	8.959
2017	CBSE	Kendriya Vidyalaya, N.S.G Manesar	89.00
2015	CBSE	Kendriya Vidyalaya, N.S.G Manesar	10.00

SCHOLASTIC ACHIEVEMENTS

- **Indian Institute of Technology Joint Admission Test(Physics)** : Secured **All India Rank 44**, 2020
- **Joint Entrance Screening Test** : Secured **All India Rank 54**, 2020
- Selected for **SUMMER SCHOOL PROGRAMME 2021** on Astrophysics at **INDIAN INSTITUTE OF ASTROPHYSICS**
- Secured '**O**' grade for outstanding performance in **Calculus, Environmental Science, Numerical Methods** and **Statistical Mechanics** in B.Sc.(Hons.) Physics
- **Meritorious award**: Awarded for securing **highest marks** in class X and XII at school level

PROJECTS

- **Material Stability near Nuclear Reactor Core (Santanu Ghosh)** (July, 2021 - W.I.P.) :
 - Identify **material** which can **withstand radiation** during nuclear reactions
 - Using **simultaneous irradiation** with High and Low energy particles
- **Designing Cold-Atom Gravimeter (Prof. Bodhaditya Santra)** (Jan,2021 - May,2021) :
 - Study on '**Performance analysis and stimulation for Atom Interferometry based gravity anomaly detection**'
 - Applied **Python standard library** to generate plots and predict the accuracy of the model
 - Application in Underground object detection using **gravity gradient tensor**

TECHNICAL SKILLS

- Python, MATLAB || Microsoft Office suite, Google Data studio || Data science & machine learning

POSITIONS OF RESPONSIBILITY

- **Coordinator, Aryabhata Science Forum(ASF), Department of Physics, DDUC** (July, 2019 - Mar, 2020) :
 - Organized a Departmental educational trip for **180+ students** as a part of Student Induction Program, ASF
 - Led the Sponsorship and Logistics team comprising of **50+ members** in negotiating with various educational sponsors
 - Managed the organizing committee of Inaugural Talk and Speaker Session conducted by ASF
 - Successfully organized AAVEG, annual fest of Department of Physics
- **Event Head, Literature Festival, Kalamkaar, DDUC** (Jan, 2020 - Mar, 2020):
 - One of the biggest Literature festival in University of Delhi witnessing **3000+** footfall
 - Managed a **team of 50** in collaborating with **25+ sponsors** for the event
- **Event Head, AAVEG'19, ASF, DDUC** (Oct 2019):Planned and executed an **online and in person Science fiction quiz** competition named Eureka in AAVEG with an extensive participation of **250+ students** from various colleges across India
- **Event Head, AAVEG'18, ASF,DDUC** (Feb 2019):
 - Conceptualized the theme for online digital poster making competition named Blueprint in AAVEG
 - Successfully executed the online event witnessing **150+ participants** from various colleges in Delhi

EXTRA CURRICULAR ACTIVITIES

- **Paper presentation**
 - '**Painting with drops, jets and sheets**' assigned by Prof. Deepak Kumar, Department of Physics, IIT Delhi: Jan 2021
 - '**Observation of coherent optical information storage in an atomic medium using halted light pulses**' under a group activity assigned by Prof. Bodhaditya Santra, Department of Physics, IIT Delhi: December 2020
 - '**Photonics**' at 43rd KVS Jawaharlal Nehru Science Exhibition 2015 – 16
- Won **2nd prize** in **NBRC annual quiz competition** on occasion of 13th Foundation Day (2016)
- Received **1st prize** in NSG Quiz Championship, 2-stage competition amongst **20+ teams** (2015)
- Participated in **28th Regional Youth Parliament competition** organized by K.V.S. Gurgaon (2015)
- **Sports Achievements**
 - 2nd Runner Up**: 400m Race, Inter-school Competition (2016) || **Participation**: U-19 Football, Regional Sports (2015)