



Shreya Satsangi

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B.Sc Physics

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🐙 GitHub Profile

🌐 LinkedIn Profile

IMPACT

Highly motivated undergraduate student pursuing a degree in Physics with a multidisciplinary approach to problem-solving. Passionate about the fields of Quantum Computing, Quantum Artificial Intelligence, and exploring the intersection of Quantum Mechanics and human brain. Demonstrated interest in Computer Science and Astrophysics.

EDUCATION

•Dayalbagh Educational Institute,Agra	2021-Present
B.Sc Physics	CGPA: 8.47
•Prem Vidyalaya	2020-21
D.E.I. Board	CGPA: 9.31
•Prem Vidyalaya	2018-19
D.E.I. Board	Percentage: 9.78

EXPERIENCE

•DEI Summer Research Fellowship Program	May-June 2022
Cognitive Science Researcher	Agra
– Contributed in the paper, 'Development of Hindi Remote Associative Task (h-RAT): Insight Study'	
– Gained in-depth knowledge of EEG data recording, processing, data interpretation, research, statistical methods	

PERSONAL PROJECTS

–Quantum Music (QJAM21)	Dec 2021
We created music using Quantum random walk on a cube	
* Tools & technologies used: Quantum Circuits, IBM Quantum simulator, MIDI File converter	
* We successfully were able to make our quantum music using random walks on a cube by following a research paper.	
–Quantum Cosmos	August 2022
Quantum puzzle game website teaching quantum computing and mechanics through circuits, gates, and theory.	
* Tools & technologies used: CSS, HTML, Javascript, Canva etc	
* As players advance to higher difficulty levels, they are required to code and run programs. Our team has successfully created a prototype version of the website.	

TECHNICAL SKILLS AND INTERESTS

Languages: English,Hindi,Bangla

Developer Tools: Python,HTML,CSS,Matlab,qiskit,Q

Soft Skills: Productive, Innovative, Multidisciplinary Approach

Coursework: Physics,Mathematics, Cognitive Science,Problem Solving,Coding,Experimentation

Areas of Interest: Quantum Computing, Machine Learning,Artificial Intelligence,Quantum AI, Quantum in Space

POSITIONS OF RESPONSIBILITY

–City Coordinator: Fridays For Future Agra	Sep'21-March'23
As a coordinator, I organized multiple Global Climate Strike events in September '21, March '22, September '22, and March '23, raising awareness about climate change.	
–Student Volunteer: National Service Scheme	August'21
I worked on the field activities, such as agricultural work etc.	

PAPER PRESENTED

– Development of Hindi Remote Associative Task (h-RAT) Dayalbagh Science of Consciousness	Sep 2022
–Exploring Mechanisms of Religious Chanting: A Spectrogram Analysis Sound Consciousness	Feb 2023

ACHIEVEMENTS

–Best Poster Award Dayalbagh Science of Consciousness	2021
–Qualified Cognitive Science Joint Entrance Test	2023