+919720213303 mansitarani0404@gmail.com	Undergraduate Researcher	linkedin.com/in/mansi Tarani
a keen interest in interdisciplinary research	plied physics along with experimental analysis in cognitive	
Research Interests Include: Quantum physi	ics, Quantum computing, Applied physics, Cognitive Scienc	e, Computer Science
EDUCATION		
Bachelor of Science, Physics honors, Dayalb	bagh University, Agra, GPA: 8.51/10.00	Jun 2019 — May 2022
Non Formal Education		
 Qiskit Global Summer School 2022,IBM Developed understanding about quantum Applied quantum computing and its applied 	•	July 2022 — July 2022
	rning and linked them to Quantum Computing antum Machine Learning and applied quantum algorithms	July 2021 — July 2021 in hands-on laboratory session
Qiskit Global Summer School 2020,IBM		Jun 2020 — Jun 2020
-	outing,explored and implemented Quantum algorithm in la	boratory session.
 Introduction to Quantum Computing Cours Strengthened concepts of Quantum Comp Passed this course with 98 percent 	e,Qubit by Qubit outing,explored possible applications and completed all hom	October 2020 — May 2021 mework
Projects		
 Project Lead, Cognitive Science Lab, Dayalba Quantum Zeno Effect in bistable perceptio Attempted to prove the role of quantum m 	n, along with physical and mathematical interpretations.	May 2022— July 2022
 Project Lead, Cognitive Science Lab, Dayalba Identifying Correlation Dimensions of non Created mathematical model for quantifyi Compared difference in correlation dimension 	linear time series using E/MEG data	Oct 2021 — Mar 2022
 Lead Experimenter, Cognitive Science Lab, D Insight in mathematics problem such as no Recorded electroencephalography(EEG) da Identifying gamma burst and calculating c 	umber reduction task ata of various participants solving NRT problems	Sept 2020 — Mar 2021
Project executive, Qiskit Challenge India had	ckathon	Sept 2020 — Sept 2020
	veen number 4 and number 9 using quantum machine lear nent with classical machine learning techniques and Variat	
Project manager, Qiskit global summer schoSimulated VQE algorithm for calculating gr	•	July 2020 — July 2020
 Project Lead, Assisi Convent School Etah, Inc. Travel management interface system using 		June 2018— Aug 2018
Experience		
 Researcher, Cognitive Science Lab, Dayalba Analysed linear and non-linear time series Responsible for subject recruitment, desig 		Sept 2020 — July 2022
 Student, Electronics Work Experience, Daya Hand-on experience of electronics compore Analysed circuits and recreated some prace 	nents and circuits	July 2019 — Dec 2019

Mansi Tarani

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Skills

Data analysis	Signal Processing, Time series analysis
Software	Brainstorm, ePrime
Programming	C++, SQL, Matlab, HTML
Leadership	Mentor to freshmen
Volunteer	National Service Scheme

Awards & Honors

Research	Undergraduate Research Award, 2021 (STEM research); Paper presentation momento, 2022 (UGC-SAP Committee,
	DEI); Research paper publication in conference proceedings, 2021 (National Systems Conference);
National	Selected for science camp under INSPIRE internship program (Department of Science and technology (DST))