Shreya Kapoor

kapoorshreya18@gmail.com | +49-1781332125 | s0shkapo@uni-bonn.de

LINKS

Github:// **ShreyaKapoor18**
LinkedIn:// **ShreyaKapoor18**
Medium:// **ShreyaKapoor18**

COURSEWORK

GRADUATE
•Visual Computing •Bioinformatics •Molecular Modelling •Knowledge Discovery

UNDERGRADUATE
•Mathematical Physics •Quantum Mechanics •Differential Equations •Digital and Analog Electronics

SKILLS

PROGRAMMING
• Python MATLAB • C++ • LaTeX • SageMath

CERTIFICATIONS

• Andrew NG Intro. to ML • Python for Data Science

TEST SCORES

•Academic IELTS(7.0/9.0)
•TOEFL iBT (109/120)

SEMINARS

Attended
•Inaugural Symposium of the Interdisciplinary Centre of Computational Neuroscience BCCN Berlin (Oct 2017).•Sage-Days 100, University of Bonn (Jul 2019)

Organised
International Cosmic Day 2016

CURRICULARS

•Indo-western Dance •Writing

EDUCATION

B-IT CENTER | MSc. Life Science Informatics
Oct 2018 - Present | Bonn, Germany

MIRANDA HOUSE, UNIVERSITY OF DELHI | BSc. (H) Physics
July 2015 - June 2018| New Delhi, India| CGPA 8.3/10

DELHI PUBLIC SCHOOL, R.K.PURAM
May 2015 | New Delhi,India| Class 12 95.5%| Class 10 CGPA 10

RESEARCH AND INTERNSHIP

B-IT CENTER, BONN | Student Research Assistant
Apr 2019 – Sept 2019 | Bonn, Germany
Optimization of Neural Fiber tracking techniques. Testing different numerical methods for obtaining accurate directions of fiber bundles from Diffusion Tensor Imaging under Prof. Thomas Schultz.

DESIGN INNOVATION CENTER | Research Intern

Oct-Dec 2017	Analysis of fMRI data from complex natural simulation with an audio movie (Forrest Gump) for the study of auditory attention and cognition, language and music perception, and social perception. Mainly worked towards finding patterns in the data for new features. The project follows on the lines of **Reference**
Jun-Jul 2017	Feature analysis and component reduction of complex EEG data (DEAP Dataset). Codes of the research work can be accessed **here**
Jun-Jul 2016	Research area of Cognitive Science and Brain-Computer Interface. Analyzed effects of music on the brain through EEG data and determined correlations of music choices to personality types using Psychometric testing. The report for the project can be viewed **here**

AWARDS

2018	top 1/1000	Golden Jubilee Award of Excellence(Miranda House)
2017	top 1/1000	Prof. Savirtri G.Burman Award of Excellence
2014	top 12/1000	G.Bhaskar Memorial Award
2014	CGPA 8+	Gold medal for academic excellence.
2014	Technology	Red Blazer and Red Tie for excellence.

SOCIETIES

2016-18	Member	American Association for Advancement of Science
2016-17	President	Vidyut, the Physics Society, Miranda House
2014-15	Chief-Editor	The Mathematical Society, Delhi Public School, R.K.Puram

WORKSHOPS

DEPARTMENT OF INFORMATICS, BONN |Sage Days 100
July 2019 | Bonn, Germany
Hands on work on Sage Math open source software.