

Amey Abhay Joshi



DOB: 6 July 2000
email:ameyj200@gmail.com
Maharashtra, India

EDUCACION

IISER Pune: BS-MS student
Major- mathematics
Math subject GPA-9.7/10

Aug'17-May '22(expected)

Vivekanand College, Kolhapur:11th and 12th standard

July '15-June '17

S.M.Lohia high school, kolhapur: 5th-10th standard
10 th standard SSC exam percentage :96/100

June '09-April '15

AWARDS HONORS

- **Infosys** foundation scholarship 2021-22
- **TIFR VSRP** fellow Summer 2020
- IISER Mohali Summer Research fellow Summer 2019
- National Graduate Physics Exam 2018-19: national top 1 percent
- DST-INSPIRE SHE fellow since 2017
- IIT-JEE Advanced 2017 All India Rank-5056
(out of 1.186 million candidates appeared for the exam)

. Project

Advisor

MAJOR PROJECTS

- Four Manifolds and Gauge Theory,
ongoing MS Thesis project Prof. Doug Park
- h-cobordism theorem,
semester project SPRING 2021,
recieved 'O' grade for outstanding performance Prof. Mainak Poddar
- Symplectic Classes
semester project FALL 2020 Dr. Steven Spallone
- Characteristic Classes and Milnor's exotic sphere
Summer 2020 Prof. Mainak Poddar
- Lie Groupoids and Orbifolds
as part of VSRP 2020 Prof.S.K.Roushon

MINOR PROJECTS

- Schemes, Complex Manifolds and non-algebraic manifold
mini project of Algebraic Geometry course
SPRING 2021 Dr. Vivek Mallick
- McEliece Crypto-system and its baby version
group project as a part of Cryptography course Dr. Ayan Mahalanobis
- Differential Topology
semester project, Fall 2019 Prof. Mainak Poddar
- Smooth Manifolds and Differential Geometry
as a part of IISER Mohali summer research program,
Summer 2019 Dr. Soma Maity

REFERENCES

- [Prof.Doug Park](#), Department of Mathematics, University of Waterloo, Ontario, Canada.
email : bdpark(AT)uwaterloo.ca
- [Prof.Mainak Poddar](#), Chair, Department of Mathematics, IISER Pune.
email : mainak(AT)iiserpune.ac.in
- [Dr.Steven Spallone](#), Associate professor, Department of Mathematics IISER Pune.
email : sspallone(AT)iiserpune.ac.in

SOFTWARE

- Python
- SageMath
- L^AT_EX

LANGUAGES

- English : Fluent
- Hindi : Fluent
- Marathi: Mother Tongue
- Sanskrit: basic (elective in 10th std.)

Hobbies

Solving math puzzles, Acrylic Painting, Sketching, Playing Mouth Organ, Playing Harmonium, Badminton