



Sahil Karawade

Curriculum Vitæ (July 28, 2022)

Website: <https://sahil-karawade.github.io/>
Mail: sahilkarawade99@gmail.com
Nationality: Indian
Born: 09.07.1999

RESEARCH INTEREST

Mainly Interested in Algebraic Geometry and allied areas.

EDUCATION

Master in Science 2020-2022
Manipal Academy of higher Education, Manipal, India

- CGPA-9.39/10
- 1st rank in department of Mathematics

Bachelors in Science 2017-2020
Ramnarain Ruia Autonomous College, Mumbai, India

- CGPA-9.28/10

PROJECT

Equivalence of categories between category of affine varieties and the opposite of category of finitely generated integral domains over algebraically closed field.

Guide: Dr. Harikrishnan Panackal

CONFERENCES ATTENDED

My notes are the available on my website: <https://sahil-karawade.github.io/>

1. Summer School of the Langlands Program(11th July-31 July)
2. Stanford Algebraic Geometry online seminar series(weekly)
 - a) Derived category of moduli of vector bundles by Han-Bom Moon.
 - b) Line bundles in equivariant elliptic cohomology by Arnav Tripathy.
 - c) Donaldson-Thomas theory of the quantum Fermat quintic by Kai Behrend.
 - d) Properness of the K-moduli space by Ziquan Zhuang.

- e) Resolutions of Richardson varieties, stable curves, and dual simplicial spheres by Allen Knutson.
 - f) Higher Fano manifolds by Enrica Mazzon
3. ETH Algebraic Geometry and Moduli Spaces Zoominar
- a) The Chow rings of moduli spaces of elliptic surfaces by Samir Canning
 - b) Gromov-Witten invariants of complete intersections by Lothar Göttsche
 - c) Counting surfaces on Calabi-Yau fourfolds by Younghun Bae
4. CARAMS International workshop on Cooperative TU Games using Matrices and Graphs(worth 2 credit points), December 2021.

TECHNICAL SKILLS

- Language - Python
- Tools and Software - GitHub, Jupyter Notebook, LaTeX, SageMath.

LANGUAGES

Marathi (*mother tongue*), **English** (*fluent*), **Hindi** (*fluent*)