

Sahil Karawade

Curriculum Vitae (November 30, 2022)

Website: <https://sahil-karawade.github.io/>

Mail: sahilkarawade99@gmail.com

Nationality: Indian

Phone no. (+91) 9004211233

RESEARCH INTEREST

Mainly Interested in Algebraic Geometry and closely related 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-9.29/10

PROJECT

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

Guide: Dr. Harikrishnan Panackal

December 2021-March 2022

CONFERENCES ATTENDED

My notes from these conferences can be found here: <https://sahil-karawade.github.io/>

1. Summer School of the Langlands Program(11th July-29th July).
2. Stanford Algebraic Geometry online seminar series(weekly):
 - a) Donaldson-Thomas theory of the quantum Fermat quintic by Kai Behrend.
 - b) Resolutions of Richardson varieties, stable curves, and dual simplicial spheres by Allen Knutson.
 - c) Higher Fano manifolds by Enrica Mazzon.
 - d) Non-Archimedean Quantum k-theory and Gromov-Witten Invariants by Tony Yue YU.
 - e) Properness of the K-moduli space by Ziquan Zhuang.
 - f) Enumerative Arithmetic Geometry and Automorphic forms by Tony Feng.
 - g) Étale K-theory and motivic cohomology by Akhil Mathew

3. Intercontinental Moduli and Algebraic Geometry Zoominar:
 - a) The Chow rings of moduli spaces of elliptic surfaces by Samir Canning.
 - b) Gromov-Witten invariants of complete intersections by Dimitri Zvonkine.
 - 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*), **German** (*basic*)