Devesh Rajpal

Curriculum Vitae

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Education

2020 - 2021	**Masters 2 in Mathématiques fondamentales**, *Sorbonne University, Paris, France.*
2017–2020	**B.Sc.(Hons) in Mathematics and Physics**, *Chennai Mathematical Institute, Chennai, Tamil Nadu, India, CGPA : 9.21.*
2015–2017	**Higher Secondary Education**, *Dronacharya Public School, Raipur, Chhattisgarh, India, Aggregate - 86.8%.*
2015	**Secondary Education**, *Dronacharya Public School, Raipur, Chhattisgarh, India, CGPA:10.*

Reading Projects

Summer 2020   Research Project on Spectral Geometry under Prof. Sugata Mondal

- We covered parts of the paper *Berger's Isometric problem and minimal immersion of surfaces* by N. Nadirashvilli

Summer 2019   Reading Project on Riemannian Geometry under Prof. Harish Seshadri. Topics covered :
- Riemannian Manifolds
- Geodesics and curvature
- Curvature - Topology theorems

Summer 2018   Reading Project on Special Relativity under Prof. Alok Laddha. Topics covered :
- Principles of Special Relativity
- Relativistic Mechanics
- Geodesics and Schwarzchild Geometry

Talks and Presentations

Fall 2019	Basics of Homological Algebra in course Commutative Algebra.
Fall 2018	An economic analogy to thermodynamics in course Thermal Physics.
Spring 2018	Bohlin Transformations in course Classical Mechanics 2.

Lectures and Workshops attended

November 2019	"Curvature, torsion and the quadrilateral gaps" by Nitin Nitsure, CMI.
July 2019	Advanced Instructional Schools on Riemannian Geometry, IISc.

Scholarships

2020 - 2021	PGSM Masters Scholarship
2017 - 2020	CMI Institutional Fee Waiver
2017 - 2020	CMI Scholarship

Other Achievements

1. Third rank in Regional Mathematics Olympiad 2015.
2. Qualified JEE Mains and Advanced.

Extracurriculars

1. Batch representative for academic term 2018-2019.
2. Physics Head of STEMS 2019, 2020, an annual math contest organised by CMI students.
3. Coordinator for Tessellate 2019, 2020, the annual CMI fest.

Skills

Programming Languages	Haskell, Python
Tools	LaTeX
Languages	Hindi (native), English (fluent)