



# Abhinav Krishna Jha

Mathematics

Indian Institute of Science Education and Research, Tirupati

201801023

BS-MS

Male

Examination	University	Institute	Year	GPA/%
Graduation	IISER Tirupati	IISER Tirupati	2018-Present	8.5
Intermediate/+2	HSC	Sri Chaitanya, Vijaywada	2016-18	89.3
Matriculation	SSC	Fr. Agnels, Vashi	2016	83.21

## COURSEWORK in Math and Physics

- Introduction to Abstract Harmonic Analysis
- Partial Differential Equations
- Functional Analysis
- Ordinary Differential Equations
- Fourier Analysis
- Algebraic Topology
- Commutative Algebra
- Representation Theory of Finite Groups
- Fields and Galois Theory
- Introduction to Algebraic Topology
- Elementary Number Theory
- Basic Structures in Mathematics
- Probability and Statistics
- Multi-variable Calculus
- Measure Theory and Integration
- Calculus on Manifolds
- Complex Analysis
- Real Analysis
- Topology
- Introduction to Lie Algebras
- Rings and Modules
- Group Theory
- Linear Algebra
- Linear Algebra and Applications
- Single Variable Calculus
- Classical Mechanics

## PROJECTS

- **Differential Manifolds & Lie Groups**, (MTH 426) (Jan'22-Present)
  - To understand Lie Groups and calculate corresponding Lie Algebras.
- **Travelling Salesman Problem**, Summer Intern, SINP (June'19-July'19)
  - Attack Travelling salesman problem by Simulated Classical and Quantum Annealing.

## POR & EXTRA-CURRICULARS

- **Core Committee Member**, The Math Club, IISER Tirupati. (Jan'22-Present)