



# Maitreya Sameer Ganu

Bachelors-Masters (dual degree)

in Data Science

Indian Institute of Science Education and Research , Thiruvananthapuram

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[Personal Website](#)

[LinkedIn Profile](#)

## SUMMARY

I am a BS-MS Data Science student at IISER Thiruvananthapuram. With expertise in programming, machine learning, and data analysis, I am passionate about applying data science to real-world problems, particularly in mental health and clinical research. I am also an active member of Club of Mathematics , IISER Thiruvananthapuram (CMIT) and Music Club of IISER Thiruvananthapuram (MCIT) and have taken part in various diverse events and cultural competitions.

## EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
Bachelors-Masters	IISER Thiruvananthapuram , Kerala	IISER Thiruvananthapuram	8.87 (Till 3rd Sem)	2023-Present
High Schhol Graduation	Sir Parshurambhau College , Pune	MSBSHSE	92.5%	2023
Matriculation	Sevasadan English Medium School , Pune	CBSE	95%	2021

## EXPERIENCE

- Club of Mathematics, IISER Thiruvananthapuram (CMIT)** 2023- Present  
*Finance Coordinator* IISER Thiruvananthapuram
  - Managed merchandise financing and collaborated with a diverse team, gaining valuable work experience.
  - Contributed to the administration and management of the Frontier Symposium in Mathematics 2023 at IISER.
- Music Club, IISER Thiruvananthapuram (MCIT)** 2023 - Present  
*Finance Coordinator and Representative* IISER Thiruvananthapuram
  - Played Tabla for various occasions such as Independence Day, Republic Day, Onam, Ganpati Festival, and ISHYA.
  - Managed finances during merchandise distribution.

## INTERNSHIPS

- Cryptography** May 2024 - July 2024  
*IISER Pune , Prof . Soumen Maity*
  - Completed a reading project about public key cryptography
  - Studied advanced cryptographic techniques and security models like the Data Encryption Standard.
- Community Detection and Modularity Analysis** December 2024 - January 2025  
*IISER Thiruvananthapuram , Prof . Saptarshi Bej*
  - Applied community detection on various topics ranging from finding modularity of graphs , neuronal networks of brains of worms and protein foldings.

## TECHNICAL SKILLS

- Programming Languages:** Python, C, LaTeX
- Data Science & Analysis:** Pandas, NumPy, Matplotlib, Scikit-learn
- Deep Learning:** TensorFlow
- Machine Learning:** Regression, Clustering, Dimensionality reduction, Community detection and network analysis
- Academic Skills:** Communication, Presentations, Quick learner
- Other Skills:** Leader, Analytical thinker, Problem Solver
- Tools & Technologies:** Jupyter Notebooks, VS Code, Overleaf, MS Word, MS Excel, MS PowerPoint

## KEY COURSES TAKEN

- Data Science:** Introduction to C/C++ and Python, Object Oriented Programming , Data Structures and Algorithms, Operating System, Database Management System Big Data Analysis , Data Analysis with Python.
- Maths:** Introduction to Probability , Calculus and Matrices **I** and **II** , Discrete Mathematics , Mathematical Statistics , Number Theory , Basics of Group Theory.

CERTIFICATIONS

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- Kaggle: Python
- Kaggle: Introduction to Programming
- Kaggle: Pandas
- Kaggle: Data Visualization
- Kaggle: Introduction to Machine Learning
- Kaggle: Apply Machine Learning to Real-World Forecasting Tasks (Time Series Data Analysis)
- Kaggle: Introduction to Deep Learning
- Kaggle: AI Ethics
- Finlatics : Data Analysis with Python

ACHIEVEMENTS

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| • <b>INSPIRE Scholar,</b>                  | <i>2023-2028</i> |
| • <b>SP College Scholarship,</b>           | <i>2023</i>      |
| • <b>Rangotsav Golden Art Merit Award,</b> | <i>2018</i>      |
| • <b>English Marathon Awards,</b>          | <i>2012-2016</i> |