

# Karthikeya Subramanian

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🌐 <https://karthikeya-subramanian.github.io/>



## Internships/Projects

- Dec 2022 - Apr 2023    📌 **Approximation of Persistence Homology for Large Datasets**, IIIT-Bangalore, Under Dr. Amit Chattopadhyay.
- Apr 2022    📌 **A Custom Mapping Library in C++**, PSG College of Technology.

## Education

- Jul 2021 - Apr 2023    📌 **M.Sc. Applied Mathematics**, PSG College of Technology, Coimbatore.
- Jul 2018 - Apr 2021    📌 **B.Sc. Mathematics**, RKM Vivekananda College, Chennai.

## Areas of Interests

- 1    **Topological Data Analysis**
- 2    **Machine Learning**
- 3    **Algebraic Topology**
- 4    **Probability Theory**

## Awards and Achievements

- 2018    **First Prize, Topic Presentation**, OLYMPIAD - 2018, Conducted by Hindustan College of Arts and Science.
- First Prize, Mathematics Quiz**, ENIGMA-2k18, Conducted by Madras Christian College.
- 2019    **Second Prize, JAM**, MATHZOOM-2019, Conducted by Stella Maris College.
- 2020    **Second Prize, Math Olympiad**, Conducted by RKM Vivekananda College.

## Skills

- Languages    English, Tamil, Sanskrit, Hindi
- Coding    C, C++, Python, SQL,  $\LaTeX$

## References

### Prof Amit Chattopadhyay

Professor  
IIIT- Bangalore,  
26/C, Opposite of Infosys gate 1 Electronics City  
Phase 1, Hosur Road Bengaluru - 560100.  
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### Prof Sai Sundara Krishnan G

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