Karthikeya Subramanian

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

Employment History

Aug 2023 - Current 🔖 **PhD Student, International Institute of Information Technology, Bangalore** Topological Machine learning under the guidance of Dr. Amit Chattopadhyay.

May 2023 - Aug 2023 🔖 **Project Associate, International Institute of Information Technology, Bangalore** Topic: Persistence Homology based Matching of Large Point Clouds for Applications in Robotics, Funded by MINRO and under the guidance of Dr. Amit Chattopadhyay.

Dec 2022 - Apr 2023 🔖 **Intern, International Institute of Information Technology, Bangalore** Topic: Approximation of Persistence Homology for Large Point Clouds, under the guidance of Dr. Amit Chattopadhyay.

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.