Tanishq Kumar Prasad - Curriculum Vitae

Contact information	**Email:** tanishqprasad05@gmail.com **Phone:** +91 70447 76386

Education

2009-2022

Don Bosco School, Liluah   **136, Girish Ghosh Rd, Liluah, Howrah, West Bengal - 711204**

- Indian Certificate of Secondary Education (I.C.S.E.)   **96%**
- Indian School Certificate (I.S.C.)   **98%**

2022-2025

Indian Statistical Institute, Kolkata   **203, B.T. Road, Bonhooghly Government Colony, Baranagar, West Bengal 700108**

- **Bachelor of Statistics (Hons)**   **85.29%**

About and Interests

I am drawn to the mathematical foundations of statistical inference, with my interests centered around (but not limited to) statistical modeling, stochastic processes, nonparametric inference, and time series forecasting. I like to work on problems involving theoretical understanding alongside computational implementation. Recently, I've become increasingly interested in the development and refinement of machine learning models, with a particular emphasis on ensuring statistical rigor.

I listen to and play music in leisure. Off statistics, I also enjoy topics such as quantum mechanics and quantum computation.

Class Projects

Temporal Sentiment Analysis in Response to the R.G. Kar Rape and Murder Incident: A Statistical Exploration of Societal Distress and Reaction
(B. Stat 2022-2025 Class Project) **2025**
Guide: Dr. Kiranmoy Das, Dr. Anil Kumar Ghosh

view report here

Analysis of Nifty 50 data using GARCH models
(with classmates Shambo Saha and Rupsa Ray) **2025**
Guide: Dr. Kiranmoy Das, Dr. Anil Kumar Ghosh

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Analysis of effects of POSHAN Abhiyan in Chhattisgarh and Tripura
(with classmates Shambo Saha and Rupsa Ray)   **2024**
Guide: Dr. Kajori Banerjee

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Pairwise Bivariate Analysis of Total Population, Gross Domestic Product per capita and Employment Rate of India over the timespan (1991-2020)   **2023**
(with classmates Somarddha Das and Rajsuvro Adhikari)
Guide: Dr. Kiranmoy Das

view presentation here

Readings and Talks	Presented a paper on **consistency of quantile regression forests** to an audience of B. Stat, M. Stat students of ISI Kolkata and former M. Stat students currently enrolled in PhD positions in various universities. 2024
Major academic achievements	Secured an All India Rank of **1610** in JEE Mains (2022) amongst 905,590 candidates that took the examination, followed by a rank of **1961** in JEE Adv. (2022) (the national engineering entrance) amongst the selected 155,538 candidates. Secured a state rank of **38** in the West Bengal JEE (2022) amongst 81,393 candidates. Secured a percentile of **98.88** in NEET-UG (2022) (the national medical entrance) among 1,764,571 candidates. Secured an All India Rank of **25** in the B. Stat entrance examination (2022).
Awards	Awarded the 2022 KVPY fellowship and certified to be a KVPY scholar after securing an All India Rank of **228** in the competition conducted by Department of Science and Technology, Government of India. Awarded prize money in the form of books for excellent academic performance (semesters IV and V).
Languages	Communication: English, Hindi (native), Bengali Scientific computation/Analysis: R, Python