

Rohan Goyal

CONTACT INFORMATION	Chennai Mathematical Institute H1 SIPCOT IT Park, Siruseri, Chennai	rohang@cmi.ac.in www.goyal-rohan.github.io
RESEARCH INTERESTS	Theoretical Computer Science: Pseudorandomness and Derandomization, Coding Theory, Approximation Algorithms, Combinatorics: Extremal Combinatorics, Algebraic Combinatorics	
EDUCATION	Chennai Mathematical Institute , Chennai, India B.Sc.(Honours) in Mathematics and Computer Science, GPA: 9.55/10.00, Rank: July 2023 <ul style="list-style-type: none">	
HONORS AND AWARDS	Deputy Leader India, European Girls Mathematics Olympiad 2023 Indian team 2022 Bronze Medal at International Mathematical Olympiad (IND1) Contestant Page 2021 Iranian Geometry Olympiad Advanced 2021: Silver Ruler, Advanced Category, 1st in India 2021 Asian Pacific Mathematical Olympiad, Bronze Medal 2020 Indian National Mathematical Olympiad: Qualified for National Camp, Rank 2 in 2021 2020, 2021 🏆 National Champion (1 st /200,000), First “FLTRP Cup” English Reading Contest, Beijing 2015 National Endeavor Fellowship, Hebei Normal University 2015, 2014	
RESEARCH EXPERIENCE	YY Lab, Indiana University , Bloomington, IN, USA <i>Data visualization research assistant</i> August 2020 - present Assisted Professor Yong-Yeol (“YY”) Ahn with the Covid-19 Trend Visualizations project : <ul style="list-style-type: none">Updated the data workflowImplemented the delay parameter, play speed parameter, go back parameter, and date range sliderImproved the website design	
PROJECTS	Notes on Network Science [Web], [Code], [PDF] My notes while auditing Professor YY Ahn’s online course of INFO I606 Network Science A Practical Guide to Coding [Web], [Code] A tutorial in Chinese for beginners to learn programming How to Create Online Books [Web], [Code] A tutorial on creating online documentation/books Visualizing 120 Years of Summer Olympic Games [Web], [Code], [PDF] A data visualization project for Professor YY Ahn’s INFO I590 Data Visualization in 2019 Fall C101 with Hongtao [Web], [Code] Class website for my students enrolled in MSCH-C101 Introduction to Media in 2020 Spring. <ul style="list-style-type: none">Highlights: Students feedback, Slides, Lecture videos D3Book Companion [Web], [Code], [PDF] A simple tutorial website helping beginners learn D3.js	

International Journalism at RUC [Web], [Code]

Class website for *International Journalism* taught at Renmin Univ. of China by Michael J. Jordan

WORKING EXPERIENCE

St.Gallen Symposium Magazine, St.Gallen, Switzerland

Student journalist

May 2019

Worked with 13 team members from seven countries and four continents, supervised by **Andrew Curry**, with the group output of a **56-page magazine**. Representative work:

- *"It's not just about spending more money"*, Interviewing Heng Swee Keat, Deputy Prime Minister of Singapore;
- *Freeman Shen's electric dream*, Interviewing Freeman Shen, CEO of WM Motor — a leading Chinese electric car maker;
- *What role should governments play?*, Interviewing young politicians from India, Argentina, and Sri Lanka

TEACHING EXPERIENCE

The Media School, Indiana University, Bloomington, IN, USA

Associate Instructor

January - May 2020

Led group discussions for 40 students enrolled in *MSCH-C101 Introduction to Media*

Graduate Assistant

August 2018 - December 2019

MSCH-C207 Introduction to Media Industry and Management, 125 students

MSCH-C200 Videogame Industry: System and Management, 60 students

New Oriental Education and Technology Inc., Beijing, China

TOEFL Writing Instructor

June - July 2018, June - July 2016

Prepared high school students and college undergrads for the Writing section of TOEFL, with more than 200 hours of practice

COMPUTER SKILLS

- Statistical & network analysis: R, Python
- Data visualization & Front-end development: Python, D3.js, CSS, HTML, Hugo
- Applications: \LaTeX , Final Cut Pro