

ISHAAN GOEL

+1 771-201-7576 | IGOELDXB@GMAIL.COM | [LINKEDIN.COM/IN/IGOELDC](https://www.linkedin.com/in/igoelDC) | [GITHUB.COM/IGOELDC](https://github.com/IGOELDC)

SUMMARY

Applied Mathematics and Artificial Intelligence Dual Degree sophomore student. Multicultural and multilingual. Keen interest in Generative and Applied AI. Seeking Computer Science internship to support business practitioners in research and application development to expand company growth.

Interests: Mathematics, AI, Linguistics/Languages, World Cultures, Electronic Music Composition

Lived In: Washington, D.C.; Hong Kong S.A.R.; Dubai, U.A.E.

EDUCATION

Illinois Institute of Technology <i>GPA: 3.67/4.00</i>	Chicago, IL
B.S. in Applied Mathematics <i>GPA: 3.76/4.00</i>	Aug 2022 – Present
B.S. in Artificial Intelligence <i>GPA: 3.75/4.00</i>	Aug 2022 – Present
M.A.S. in Artificial Intelligence	Starting Aug 2024
Dubai American Academy	Dubai, U.A.E.
International Baccalaureate Diploma	Aug 2020 – May 2022

RELEVANT COURSEWORK

Math: Multivariate and Vector Calculus, Intro to Mathematical Modeling, Discrete Math, Elementary Linear Algebra, ODEs and Dynamical Systems, Real Analysis, Applied Algebra, Combinatorics, Probability, Intro to Stochastic Processes, Linear Optimization, Intro to Computational Mathematics

CS: Accelerated Introduction to Computer Science, Data Structures and Algorithms, Data Mining, Intro to Artificial Intelligence, Programming Paradigms and Patterns

In Progress: Intro to Algorithms

EXPERIENCE

Undergraduate Research Assistant	Jan 2024 – Present
Illinois Institute of Technology	Chicago, IL
Researching how alignment models of collective behavior work in confined environments	
Working with Cucker-Smale Equations with external force	
Student Assistant to Department Coordinator	Jan 2023 – May 2023
Illinois Institute of Technology, Department of Applied Mathematics	Chicago, IL
Assisted in the smooth functioning of the Department	
Managed Department technology, restructured registration database, reorganized library, redesigned bulletin boards for better communication, planned admitted student event	

LEADERSHIP ROLES

Network with and learn from practitioners about ongoing research in and applications of Mathematics, ML, AI, DS and Computer Science to engineering, industry, science, and society in solving real-world challenges.

President , Machine Learning at Illinois Institute of Technology (ML@IIT)	May 2023 – Present
Vice President , Society for Industrial and Applied Mathematics (SIAM) Chapter at IIT	Dec 2022 – Present
Founder & President , AI Impact Club at Dubai American Academy	Jan 2020 – Jun 2022

PROJECTS

Erdős Co-authorship Network <i>Network Theory, Python, BeautifulSoup, pandas</i>	Feb 2023 – May 2023
Learned how to: i) measure influence in a given network, and ii) identify and extract relevant network influence data	
Developed a co-author network, determined relevant influence measures and applied them to identify influential co-authors	

CERTIFICATES

DataCamp: Data Manipulation in Julia, Intermediate Julia, Introduction to Data Visualization with Julia
Codecademy: Analyze Data with R Skill Path, Learn Java Course

SKILLS

Languages: *Fluent:* English, Hindi-Urdu, Mandarin Chinese; *Intermediate:* Spanish, Arabic
Programming: Python, R, Java, Julia, Haskell, \LaTeX , RegEx
Libraries: NumPy, Matplotlib, pandas, BeautifulSoup; dplyr, ggplot2, caret
Software: Photoshop, Illustrator