

Naysha Jain

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PROFILE

Extremely inquisitive about the Universe, creative, detail-oriented, polylingual in Hindi, French and English, and an efficient learner with significant understanding of the web development process, coding and writing programs (Python, Javascript, MySQL, HTML, CSS, Canva). Can Express thoughts and opinions through dance, writing works and art. Seeking opportunities to contribute my skills and gain experience through research experience and real life problem solving in the domain of Physics, Earth Science, Computer Science and Mathematics.

EDUCATION

Bachelor of Science, Computer Science and Physics GPA 3.97/4.00

June 2026

Knox College, Galesburg, IL

Coursework: Modern Physics +, Introductory CS +, Calculus II, Discrete Mathematics, Algorithms and Designs, Introduction to Microeconomics, Music Reading and Theory.

SCIENTIFIC EXPERIENCE

'Project Scientist' - BALANCE

July 2023

Edge of Space Academy, University of Iowa

- Participated in a two-week initiative exploring cosmic ray behavior at varying altitudes
- Developed a 10 lb payload with geiger counters, high voltage boards, and Arduino for data collection
- Utilized C++, Java, and Python for coding; employed 3D printing for payload housing
- Launched via high-altitude balloon, reaching 110,000 feet altitude
- Presented research poster at Midstates Undergraduate Research Symposium and University of Iowa Summer Undergraduate Research Conference

Independent Research - Spectroscopic Study of Galaxies

August 2023 - present

Knox College

- Working as an independent Student Researcher with Professor Haurberg to identify star forming regions from galaxies' images captured through narrowband filters (H-alpha filter) and measure properties such as star-formation rate, chemical abundances and gas temperature
- Received Richter Grant from Knox College to support the research
- Analyzing and processing the collected data using the Python programs developed

Research - Diversity In The Workplace Through A Photojournalistic Lens

December 2023

Knox College

- Conducted an individual interview based on diversity in all forms (demographic & abstract)
- Captured images to analyze and demonstrate the environment
- Analyzed the conversation by transcription, picture and thematic coding
- Jain, N., Shetty, S., & Echeverria, R. (2024, May). Kolatek's: Diversity integration and workplace challenges in an immigrant-owned bakery. Paper to be presented at HORIZONS, Galesburg, IL (Undergraduate Research Symposium at Knox).

WORK EXPERIENCE

Social Media Assistant

2022 – present

Knox College

- Oversee all social media accounts – Facebook, Instagram, LinkedIn, and Twitter, as well as publishing dashboards
- Brainstorm campaigns and ideas and determine a campaign's level of success, using analytics tools
- Create plans to boost engagement and user-relations
- Record and produce videos for reels and long format

Physics Tutor

2023 – present

Knox College

- Work with the Centre for Teaching and Learning at Knox College to help students on campus with Physics related concepts and more

International Ambassador and Orientation Leader

2022 – present

Knox College

- Create programs to support fellow students and help them adjust to the new surroundings.
- Conduct International Pre-orientation program and New Student Orientation for incoming freshman

Founder

2020 - present

SPACEWALK

- Developed website intended to create a virtual network of people with same passion and different ideas to come together, discuss, ideate and research on topics related to astronomy
- Working towards providing an online, easy to access, free platform to the young space enthusiasts in regions where they lack resources/ education in the areas of space science
- Created an educational instagram page to spread knowledge via social media (<https://www.instagram.com/spacewalk/>)
- Conducted in-person workshops about telescopes and organized events such as star gazing nights in the local community to spread knowledge about astronomy

Social Media Manager, Creative Director

2018 – present

Serve It, Manidhari Entreprises, Chef Ruchika Jain

- Created multitudes of successful creatives and ad campaigns and increased reach by +125% across all platforms. Currently working on the brand 'Serve It'. Designed logos, product labels, and banners and planned marketing strategy for the same
- Use applications such as Adobe Photoshop, Canva, DaVinci Resolve for editing and graphics

PROFESSIONAL DEVELOPMENT

Citizen Scientist | Asteroid Search Collaborator (July 2021), International Asteroid Search Collaboration - Analyzed 20 datasets from the 1.8-m Pan-STARRS telescope using Astrometrica, working in a team of 2 to identify and classify asteroids based on type, distance, age, and speed.

Secretary General, Conglomerate Model UN 2019 - Led a 20-member committee for a 200+ attendee Model UN conference, managing a ₹200,000 (~\$2442.38) budget, recruiting volunteers, and planning committees and agendas, including the selection of Executive Board members.x

Volunteer Teacher, Samarthya India, Manav Rachna International School, The Mother's International School - Taught Math, Science and English to 15 students of the economically weaker section from 6th to 9th grade.

Clubs (at Knox College): Physics and Astronomy Club, Aaina (South Asian Club), Union Board, International-Club, Entrepreneurship Club, UNICEF

ACHIEVEMENTS

Donald L. Benedict Student Research Award, Knox College - In recognition of independent research in Physics or Mathematics

Dean's List, Knox College

Bronze Honor, International Astronomy and Astrophysics Competition

Top 6 pitch decks - The Start-Up School, IncubateIND, Satakunta University of Applied Sciences

Hydro Rocket Launching Competitions, INNOSKILL, TechnoXian

PUBLICATIONS

Jain, Naysa, 'What a Comeback!' , Vivid, Manav Rachna Publishing House

The story highlights the prevailing gender discrimination in our society and is an effort to sensitize the young generation about this crucial topic. I initiated the project in the 5th grade (the youngest author in the cohort of other short story authors in Vivid), and after two years of dedicated work, the book was successfully published during a significant institution's publishing event.