

# Shreya Narayanan

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## Education

**Mallya Aditi International School**, Bangalore, India

- **CIE A Levels** - Math, Biology, Chemistry, English Literature; **CIE AS Levels** - Math, Biology (A), Chemistry, English Literature, English Language; **CIE IGCSE** - Math (A\*), Chemistry (A\*), Biology (A), Physics (A\*), French (A\*), English Literature (A\*), English Language (A\*), Business Studies (A\*)

## Standardised Tests & APs

SAT - 1570 (English - 770; Math - 800)

AP Examinations: World History: Modern - 5; Microeconomics - 5; Physics 1 - 5; Statistics - 4; Psychology - May 2026; Computer Science - May 2026

## Academic Honours & Awards

*International:*

**Honors List of the Immerse Essay Competition** - Awarded to >5% of 80,000+ submissions

**AP Scholar with Honour**

**Certificate of Distinction in ICQ** - The International Chemistry Quiz

*National:*

**Cambridge Outstanding Learner's Award** - Topped the country in IGCSE Literature

**City Topper in the Avagadro Chemistry Quiz**

**International French Competition (French Word Power)** - Made it to the national round at a B1 level

*School:*

**Aditi IGCSE Award for Academic Excellence** - Top of the Class in all academics (Grades 9 & 10)

**Sakhmuri Science Award** - For academic excellence in science subjects (Grade 10)

## Engineering experience & Research

- **PossPole - Ecosystem for high-tech products creation, manufacturing and market access**
  - Work with Dr Shiva Kiran with the goal of democratising technology for India.
    - Project 1: Building low-energy, low-cost terracotta refrigerators that can be used to store vaccines for rural India
    - Project 2: Increasing pollination in the Indian Subcontinent - Nature positive methodology

## *Internships*

- **Biocon Biologics** - a biopharmaceutical company focused on affordable healthcare
  - Worked in the bioengineering Strain, Cell Banking, and Biotransformation Lab (SCBL) FOR the genetic engineering of microorganisms for drug development
  - Researched specific molecules such as semaglutide (GLP1) for insulin for commercial production
  - Presented a detailed report to the Lab Director & team

## *Observerships:*

- **Sudha Gopalakrishnan Brain Centre of IIT Madras** - digitize and study human brains with Director Dr Mohan Sivaprakasam
  - Presented on the life cycle of the project, including using indigenously developed machines to slice, stain, and store the brain slices
    - Study included relevance of the project for potential cures/ treatments for brain-related disorders/ diseases (Alzheimer's, dementia, etc.)
- **NCBS (National Centre for Biological Studies), Bangalore**
  - Visit and interaction with Dr Mukund Thattai (genomics and cellular biology)
  - Exposure to various studies at the institution (equipment to study microscopic matter in the deep seabed of the Pacific)
- **OLA, Multinational transportation and technology company**
  - Project along with the team developing Indian language models for their AI bot: 'Kruthi'

## Leadership

- **Accepted into the highly competitive Shri Ananta Aspen Leadership School** Summer Program, associated with the global Aspen Institute, founded in 1949
  - Engaged with a diverse cohort of people from across India
  - Led group discussion through Socratic dialogue; Wrote & Performed in the grand finale theatre production: Modern retelling of Draupadi, a play on social justice (played the role of a policeman)
- **Interact Club Coordinator, Mallya Aditi International School** - affiliated with the Rotary club (community service)
  - Head of Communications & Outreach
  - Organised blood drives and fundraisers
- **Head of Speaker Management Team in TEDxMAIS** - an event in association with the official TED talk organisation
  - Curated speakers for the events
  - Led a team of 8 other students
- **Bangalore Literature Fest Leader**
  - Planned, organised & created activities for the children's categories; Emceed all events in the children's categories

## Stem Pursuits

### *Alternate Realities*

**Accepted into the Johns Hopkins Center for Talented Youth Program** Course: "Alternate realities" and how they affect the real world

- Final project was a children's book
  - Selected to present it at the Mysuru Children's Lit Fest (Nov 30, 2024); sold over 500 copies during the month of release, online and offline

### *Game Theory*

**Accepted into the Johns Hopkins Center for Talented Youth Program** Course on "Game Theory"

- Final project was on Game Theory as applied to auctions; wrote a second book (as a part of the series), introducing game theory concepts to children

### *Science & Spirituality with the Dalai Lama*

**Accepted into Brown Pre-college course on Neurobiology**

- Studied the neuroscience of memory and how the brain works

**Visit to the Sera Jey monastery ( under the aegis of the Dalai Lama )**

- Under the tutelage of Tibetan monk/ professor Geshe Thabke, Director
- Neuroscience research on effects of spirituality

### *Brian Schmidt Science Societies*

**Selected to attend the opening of the Science Gallery Bangalore** - part of the Science Gallery International Network, pioneered by Trinity College Dublin

**Accepted into the Infosys Science Society**

- Selected to attend a session by Brian Schmidt, Nobel Prize-winning Astrophysicist
- Published an article about the intersection of neuroscience and AI in the 'Quantum Leap' (the monthly newsletter)

## AI Initiatives

**Accepted into the AI Inspirit Scholar Course**

- Led a team of 6 that coded an AI model to detect pneumonia from X-ray scans; coded large language models (LLMs) & neural networks in Python

**Published an article in the school magazine**

- Exploring AI, consciousness & the soul

## Women Empowerment Initiatives

- **Girl Up** - Member in Grades 9 & 10, Secretary in Grade 11, President in Grade 12
  - Organised career talks for elementary school children
  - Organised donation drives for period products
- **Laayak** - A Gender equality organisation that has a focus on the education of men
  - Worked on communication and outreach

- Engaged with elementary school boys from government schools
- **MGsCc Foundation**
  - Encouraging women's empowerment through green livelihood programmes
  - Worked with women who have been given jobs as tailors through Circular Textile Lab - Made a tapestry on topics of preservation, conservation, and women's empowerment
- **Applied to and accepted into the competitive UPENN summer program**
  - Discussions on Gender, Society & Culture

### Literature/ Public Speaking Engagements

- **Volunteer at the Bangalore Literature Festival** - Over 20,000 people attend author sessions and activities
  - Have been a volunteer for 4 years (since 2022)
  - Led a team of over 25 volunteers in the children's section (2023, 2024, 2025\*)
  - Introduced authors, organised activities & planned schedules
- **The Resistible Rise of Arturo Ui** - Played the role of the prosecutor in our school play
- **IIMUN (India's International Movement to United Nations)**
  - Represented Nigeria in a committee discussing abortion rights
  - Won Best Delegate Award
- **Active participant in the school book club**