

# Danial Jeelani

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## Education

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**Gulf Asian English School, Sharjah**, Grade 12th - Science March 2015 – April 2025

- 9th: 76% 10th: 87.2% 11th: 78.5% 12th: TBD
- Coursework:** Computer Science, Mathematics, Physics, Chemistry, English Literature, Multi-Media, Arabic

## Experience

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**Founder/CEO**, Online Integration Bee June 2024 – Present

- Organized and managed a global online calculus competition for high school students, Sponsored by Jane Street.
- Developed problem sets and evaluated participant solutions.

**Chief Human Resources Officer**, Futracode – Remote Sept 2024 – Present

- Oversaw recruitment, talent management, and company culture development.
- Aligned HR policies with the company's overall strategic goals.

**Chief Financial Officer**, BioBuzz Academy -Remote Sept 2024 – Present

- Oversee all financial operations, including budgeting, financial planning, and reporting.
- Collaborate with the executive team to ensure fiscal health, develop growth strategies, and manage investments aligned with the academy's mission and long-term goals.

**Fundraiser Director**, STEMIVERSE – Remote Aug 2024 – Present

- Secured sponsorships and grants to support STEM initiatives and programs.
- Researched funding sources, focusing on corporate, foundation, and government opportunities.

**Content and Blog Writer**, ViSTEM – Remote Aug 2024 – Oct 2024

- Created engaging articles and content on STEM topics to attract and retain audience.
- Increased enrollment in STEM courses through effective content strategies.

**Outreach Officer**, Finward – Remote July 2024 – Present

- Built relationships with community partners to increase outreach and engagement.
- Assisted in organizing financial literacy workshops for diverse audiences.

**Marketing Team Member**, TechLit – Remote Aug 2024 – Present

- Developed and executed marketing campaigns to increase visibility.
- Analyzed campaign metrics to improve engagement and strategy.

**Physics Problem Developer**, Lunar Contest Aug 2024 – Present

- Designed and developed challenging physics problems for high school competitions.
- Coordinated with fellow developers to ensure a diverse and balanced problem set.

## Publications

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**Experimental Test for the Role of Short-Range Correlations in the EMC Effect** June 2024  
Ryan Tang, *Danial Jeelani*, Richard Yang, Thanush Patlolla, Arsh Bhatnagar  
Beamline for Schools 2024  
[Download Paper](#)

**Callan-Symanzik  $\beta$ -Function for the Coupling Constant  $f$  for the Lagrangian of the Yukawa Interaction** Sept 2024  
Arsh Bhatnagar, *Danial Jeelani*

**Solutions to S.S. Krotov**

Arsh Bhatnagar, *Danial Jeelani*

Indian Journal of Physics

Article no: INJP-D-24-00665

Download Paper

## Activities

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### SparX Genius Competition

- One of 10 students selected for an annual TEDx-style event at my school; delivered a speech on "Orwellian Society: Reality or Hoax?"

### Beamline for Schools (BL4S) by CERN

- Ranked among the top 30 out of 3,000 global teams in the Beamline for Schools competition. Our project, "*Experimental Test for the Role of Short-Range Correlations in the EMC Effect*" investigated particle physics.

### International Astronomical Search Collaboration (IASC)

- I recently participated in the International Astronomical Search Collaboration (IASC), a fantastic citizen science program. During the month-long asteroid search campaign, I examined astronomical data and helped identify new asteroids.

### NASA Space Apps Challenge Hackathon

- Participated in the NASA Space Apps Challenge Hackathon 2024, collaborating on innovative solutions to real-world space and Earth science challenges.
- Tools Used: Python, CSS, HTML, MySQLite

### Science Competitions and Exhibitions

- GAGAN Inter-School Science Exhibition: Presented a model on wormholes in a space exploration competition.
- IMMUTO Inter-School Science Fair: Developed strategies for water waste management and oceanic waste cleanup.
- Medical Science Exhibition (MASE): Showcased a project on nanobots targeting cancer cells using chemotherapy drugs and an application to measure vitals at the largest science exhibition in the country.

### COP28 Delegate

- Selected to represent high school students at the COP28 conference in the UAE, focusing on climate change advocacy.

### Mock Parliament Delegate

- Participated in a mock Indian Parliament event, simulating legislative processes and debates.

### Social Work Volunteer

- Supervised younger students during school breaks, maintaining a positive and safe environment.
- Participated as a Volunteer in the National Recycling Program (NRP) organized by Emirates Environmental Group (EEG), Collected Plastics and Aluminum Cans