



Follow-up from our recent call - Tuhin Sarkar

2 messages

Tuhin Sarkar <tuhinsarkar.me@gmail.com>
To: applications@tks.world

Wed, 14 May, 2025 at 10:55 pm

Dear Jen,

I hope this email finds you well. It was great speaking with you recently. I'm writing to follow up as I feel I could have articulated my thoughts more clearly during our unexpected call. Since I was caught off-guard without my computer, I was relying solely on memory, and there are several points I'd like to clarify and expand upon.

About Me

I'm Tuhin Sarkar, a 14-year-old who is deeply committed to making a positive impact on the world. I value intellectual curiosity, innovation, persistence, and empathy. I believe in approaching problems with both analytical rigor and creative thinking, and I strive to use technology and knowledge as tools for creating meaningful change despite my young age.

My Interests & Motivations

My primary interests include Computer Science, Aviation, Geopolitics, Psychology, Philosophy, and Diplomacy. My fascination with geopolitics stems from understanding how global events and policies affect everyone, directly or indirectly. My studies in philosophy, diplomacy, and psychology complement this by enhancing my communication skills and deepening my understanding of human behavior.

My passion for aviation has a personal origin story. As an asthmatic child with limited outdoor activities, I found myself drawn to the HAL Old Airport near our former home. Watching military aircraft take off and land from this base sparked a deep curiosity that has significantly shaped my worldview. This early fascination taught me to look beyond immediate limitations and consider the broader possibilities of technology and human achievement.

Recent Projects & Accomplishments

I've documented most of my work on my website (www.tuhinsarkar.in), but I'd like to highlight my most impactful projects from the past year:

Technology & Media Projects

- Developed multiple portfolio websites for friends, honing my HTML, CSS, and JavaScript skills
- Continued a short film series with NRI friends in my apartment complex, taking the lead on production despite limited equipment
- Created documentary-style YouTube videos on technology topics such as "Why I Haven't Upgraded to Windows 11" and "The Invasive Nature of Modern Advertising"
- Built my first PC from scratch

Research & Academic Work

- Authored a research paper on the accuracy of reverse engineering algorithms for deepfake detection, analyzing their societal impact and evaluating detection tools
- Found that while my paper was accepted by several journals, most required payment for publication, which led to a new initiative

International Youth Science Journal Initiative

- Created an open-access journal concept to enable teenagers to publish research for free
- While this project faced challenges due to limited resources and time constraints, it represented an important attempt to address a gap in publishing opportunities for young researchers

Human Rights Documentation

- Collaborated with Lily, a transgender person in Russia, to document LGBTQ+ rights and experiences in Russia from the 1990s to present
- This project provided valuable firsthand perspectives on survival and identity in an increasingly restrictive environment

Fifinkle A.I.

- Developed an AI companion application in partnership with a collaborator I met through my YouTube channel
- I handled website development and design elements, while my partner focused on backend development

Engineering & Practical Projects

- Built and refined a DIY driving simulator over three iterations since August 2023
- Created an innovative solution using mouse rotation connected to a steering wheel interface with pedals for acceleration and braking

Leadership & Competition

- Led my team to first place among 30 teams in a school SDG presentation competition
- Implemented professional meeting practices and created comprehensive presentation materials
- Guided teammates through concept understanding rather than rote memorization

Model United Nations Experience

- Selected to represent my school at a Model UN conference based on my public speaking abilities
- Represented Burkina Faso in the UNESCO committee discussing colonization
- Placed 9th out of 39 delegates despite representing a challenging country assignment
- Documentation available at: <https://doi.org/10.5281/zenodo.15335701>

Technology Competitions

- Participated in Cryptics 7.0, a prestigious computer quiz competition promoting technology and innovation
- Contributed to a science fair project developing an automatic soil moisture sensor and waterer that helps conserve water while optimizing plant growth through targeted irrigation

Current Projects

I'm currently working on two significant summer projects:

Cybersecurity Research in Indian Schools

- Investigating how Indian educational institutions face cybersecurity challenges with digital adoption
- Documenting vulnerabilities including insufficient IT security staffing and minimal security budgets
- Developing recommendations for stronger authentication, network isolation, and data encryption

Digital Archive of My Grandfather's Legacy

- Created a comprehensive SEO-optimized website documenting the life and work of Dr. Gopesh Chandra Sarkar
- Digitized and preserved his academic papers, books, and contributions to botany
- Documented his multifaceted career as an educator, political figure (BJP Lok Sabha candidate and State Vice-President), RSS Sanghachalak, and founder of Sandhanichakra
- Preserved his artistic accomplishments as a musician, magician, and spiritual thinker
- Archived his connections with notable figures like Rajendra Singh (Rajju Bhaiya), Arun Jaitley, and Hemanta Mukhopadhyay

Additionally, as mentioned, I'm currently working on my application for the TKS scholarship.

I appreciate your time and consideration. I would be happy to provide more specific information about any of these projects or answer any questions you might have.




Tuhin Sarkar,

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Jen Adams from The Knowledge Society <applications@tks.world>
To: tuhinsarkar.me@gmail.com

Thu, 15 May, 2025 at 1:54 am

Dear Tuhin,

Thank you so much for your detailed follow-up email. It was indeed a pleasure speaking with you, and I truly appreciate you taking the time to clarify and expand on your experiences and motivations.

We strongly encourage you to submit your scholarship application! Here's the link again:

https://airtable.com/appS5GYA6q0OPb1vq/pagWW0UhvP1uguHyz/form?prefill_Applicant_ID=recW6hT1gCJPquW4t&hide_Applicant_ID=true

Thank you once again for reaching out. We look forward to receiving your application!

Sincerely,

Jen

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