

AAHANA GUPTA

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🔗 [aahana-gupta-ai](https://aahana-gupta-ai.github.io)

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EDUCATION

Cardiff Sixth Form College, Wales, UK | A-levels: Biology, Mathematics, Psychology, Chemistry 2025 to 2027

Predicted A-levels: A* A* A* A* | SAT: 1560 (800 Math) | AS: A in all four (95% UMS) | EPQ: A (predicted)

- EPQ: "To what extent has the South Korean government driven K-pop as soft power?"
- GCSE / IGCSE (2025), Heritage International Xperiential School, Gurugram: 4 A*, 5 A

Academic interests: cognitive science, psycholinguistics, music cognition, memory and ageing

HONOURS AND AWARDS

- [Technovation Girls: Global Semifinalist](#), Senior Division, team NipunTech (Sahitya app); **one of 4 UK teams** (2026)
- [Cambridge Re:Think Essay Competition](#), Cambridge Centre for International Research: **Silver**, Senior Division (2026)
- **CREST Gold Award**, British Science Association, for Sahitya (2026)
- Haryana Health Minister's **Award for Merit**, for SmritiCare (2026)
- Principal's Award for **Excellence in College and Community Contribution**, Cardiff Sixth Form College (2026)
- British Biology Olympiad: Highly Commended (2026)
- International Brain Bee / British Neuroscience Olympiad: UK national round (2026)
- Hinksey Scholars Research Programme: merit scholarship (2026)
- Honoured for Sahitya by Union Minister Rao Inderjit Singh (September 2026)
- Mission Sarbat Da Bhala Recognition, for Sahitya (2026)
- World Scholar's Cup: debating medals, Gurugram round (2023)

FOUNDED PROJECTS

SmritiCare (smriticare.com)

2025 to present

Founder & Sole Developer; [provisional patent application IN 202611038483](#)

- AI companion that sends people with dementia greetings, memory prompts and wind-downs in a cloned family voice via WhatsApp
- Version 1 used by **400 families**; where carers completed ratings, average Cohen-Mansfield Agitation Inventory scores fell **32%** over three weeks (pre/post, no control group)
- Version 2 launched October 2026, adding richer personalised messages and a loneliness measure

Sahitya-Siksha Foundation (projectsahitya.org)

Dec 2024 to present

Founder & Curriculum Developer, leading volunteers and city chapter presidents

- WhatsApp-native phonics curriculum with 200 original songs and a literacy screening tool; adopted by **104 government anganwadis** ([WCD Gurugram](#)) and Euro International School (**4,500 students**); **11,500+ children** reached across India, Uganda and Nigeria
- Pilots running with Tangu Utoto Foundation (Uganda) and Book Buddies by Ashezi (Nigeria); LakAruna Foundation (Sri Lanka) begins November 2026
- Registered Section 8 non-profit, listed on NITI Aayog's NGO Darpan

RESEARCH AND PUBLICATIONS

Cultural and Language Bias in the ADAS-Cog (170 participants)

2025 to present

Lead Researcher & App Developer, with Prof. Vijay Kumar Chattu, Tennessee State University

- 85 people with Alzheimer's disease and 85 controls; built the [multilingual ADAS-Cog testing app](#) used to administer and record the test in each participant's own language
- Manuscript under review at the Journal of Clinical Neuroscience

ADAS-Cog Performance in Urban Indian Alzheimer's Patients

2025 to 2026

First Author, with Dr. Praveen Gupta, Chairman, Marengo Asia International Institute of Neuro & Spine

- Pilot study (12 patients) on cultural bias in the ADAS-Cog; **first and corresponding author**, [Bioinformation 22\(8\): 4617-4621 \(2026\)](#) [🔗](#)

Wolfram Summer Research Program

Jun to Jul 2026

Student Researcher, Bentley University (1 of 84 selected from 600+ applicants)

- Reconstructed the Seikilos Epitaph in ancient Greek tuning in Wolfram Language; built a custom lyre sound; [computational essay](#) received a **Staff Pick**
- Invited to return as Teaching Assistant and to join the [Wolfram Emerging Leaders Program](#)

The Wrong Words (book)

2026

Co-author with Dr. Deepak Rathod; foreword by Dr. Nimisha Kumar, Founder-President, Indian Association for CBT

- ISBN 978-81-994235-0-3; on how Western cognitive tests misread non-Western patients; **1,500 copies** distributed; [available on Amazon](#) 

TECHNICAL SKILLS AND LANGUAGES

[GitHub](#), 6 public repositories: [multilingual ADAS-Cog testing app](#), [SmritiCare](#), [Sahitya phonics](#), [ancient Greek tuning \(Wolfram project\)](#), [dementia assessment research](#)

Wolfram Language; AI-assisted app development; ElevenLabs voice cloning; WhatsApp API; cognitive assessment (ADAS-Cog); research design and data analysis

Languages: English and Hindi (native); Spanish (GCSE A)

CLINICAL EXPERIENCE

Psychiatry & Mental Health Intern | [Fortis Memorial Research Institute, Gurugram](#) (Dr. Samir Parikh) Jun 2026

- Observed psychiatric consultations and took part in caregiver interviews; explored how people with dementia respond to familiar and unfamiliar voices, and how caregiver stress adds to the clinical picture

Memory Clinic Research Intern | [Marengo Asia Hospital](#) (Dr. Praveen Gupta) Jun 2025

- Assisted with cognitive assessments of dementia patients under clinical supervision; clinical data analysis

Curriculum Development Intern | [ThinkRight](#) Dec 2025

- Music integration and lesson design for early-childhood memory and recall programmes

LEADERSHIP AND COMMUNITY

Founder & President 2026 to present

International Youth Neuroscience Association, Cardiff Sixth Form College chapter (college's first); President, Psychology Club

- "Invisible Assumptions" AI-bias exhibition; 10 awareness campaigns; designed 30+ posters

Campaign Lead 2026

[Fuel a Dream crowdfunding](#) for Project NeuroContinuum, MediBrains Social Welfare Foundation

- Raised ₹3,00,000 (about \$3,500) to fund the project: **450 medical students and health workers** trained in cognitive screening, including the ADAS-Cog
- 100 older adults screened for cognitive decline; **2,750 people** reached in total; activities verified by the foundation ([letter of appreciation](#))

Founder & Host | *Notes for the Future fundraising open mic* Dec 2025

- Organised it alone, sang and staged children's dance acts; raised about \$2,200 (₹1.91 lakh) to launch Sahitya's teacher and volunteer training and buy stationery

Project Lead | *Community Water Quality Project, Sai Public School* May to Jun 2025

- Taught 60 children simple tests for harmful compounds in drinking water; advised 15 families on safe drinking water

Founder | *Girl Up chapter, Heritage International Xperiential School, Gurugram* 2024 to 2025

MUSIC

- Trinity College London: Grade 6 Rock & Pop Vocals; Grade 5 Piano
- Cardiff Sixth Form College: solo at the Winter Showcase (2025); House Vocalist for Morgan House, winners of the 2026 Eisteddfod
- Composer of [200 educational songs](#) used in Sahitya and ThinkRight; author of [Weight of Being Human](#), a collection of about 20 poems

PRESS

- SmritiCare (as Smriti) covered by [The Economic Times \(ETHealthworld\)](#), The Pioneer, Dainik Jagran and [Omnicuris](#) (September 2026)