

Bangalore

Projects

Boink Kernel Project, GLFS (Good Little File System) – 2025
abstracting every single layer of computer software, from metal to user, plus a fully custom filesystem spec and implementation for Boink Kernel Project

BlockJam – 2023
learn-as-you-go competitive programming for grade 5 at DPS Bangalore South

Indic Language Transliteration – 2023
transliteration engine for Indian Classical languages
Supported schemes:

- IAST
- ITRANS
- Velthuis
- Devanagari
- Kannada
- Malayalam
- Telugu
- Tamil
- Oriya

Activities

President, DPSBS Information Technology Council 2024 – 2025

- Introduced GirlCode, a learn-to-code initiative for girls in grade 9
- Introduced DiPS Bytes, the school's first weekly tech blog: by students, for students

Secretary, DPSBS Information Technology Council 2022 – 2024

- Creator and event host, BlockJam for grade 5 (novel block-based programming competition)
- Event host and problem setter for DiPS CodeJam 2022, 2023, and 2024

Head Student Mentor, Atal Lab 2022 – 2024
under the NITI Aayog scheme of the Government of India

- Mentored several students for hackathons and taught software development and STEM principles to a diverse selection of students
- Curriculum design for grades 7-8-9

Peer Educator 2022 – 2023
under the Central Board of Secondary Education's Adolescent Peer Educators Leadership programme

Miscellaneous

CTAN: Package `sanskrit` 2025 – present
font and pre-processor suitable for the production of documents written in Sanskrit.
previously maintained by Václav Haisman (2016-2025) and Charles Wikner (1996-2002)

Qualifier for Indian National Olympiad of Informatics – 2024

CTAN: Package `curriculum-vitae` 2023 – present
lightweight class for CVs, available under the same name on CTAN

Education

Delhi Public School Bangalore South 2010 – 2025

- (2025) – 12th Grade (CBSE) (Science + CS Elective)
- (2023) – 10th Grade (CBSE)