

Aviral Gupta

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About Me

With a passion for Maths and Computer Science, I represented my school in diverse competitions and national events. Earned accolades from NITI Aayog and the Government of Delhi. For social causes, ran awareness drives, taught kids during vacations and even got lucky to be part of the team that created the Guinness World Record. With sharp focus and determination, I aim to develop technical skills, which could lead to a positive impact on society.

Skills

- **Python** : Intermediate
- **C** : Advanced
- **Git & GitHUB** : Beginner (Advanced)
- **SQLite** : Beginner (Advanced)
- **Flutter** : Beginner

Education

- IIIT, Hyderabad [B.Tech + MS in CSE, 2023 - 2028]
 - ◆ CGPA : 9
- The Mother's International School, New Delhi [2021 - 2023]
 - ◆ Class 12 [PCM + CS] | CBSE | Percentage : 92.6%
- Ramjas International School, R.K. Puram [2009 - 2021]
 - ◆ Class 10 | CBSE | Percentage : 93.33%

Projects

- **Snake Game** [GitHub Link : github.com/avi1o1/snake-game]
 - ◆ Originally a University of California, Berkley Project (cs61c.org/fa23/projects/proj1), I took up the project as a voluntary exercise for practising C, on recommendation of professor, Mr. Girish Varma [Assistant Professor at CSTAR, IIIT-H].
- **Restaurant Manager** [GitHub Link : github.com/avi1o1/restaurant-manager]
 - ◆ Python-based database management application connecting customers directly to a range of services and features, while also providing unique features like 'Food-for-Mood', reservations and various other admin-specific functionality.
- **Covid Bed Manager** [YouTube Link : youtube.com/watch?v=tR_TqEXxJIY]
 - ◆ As a budding programmer, during the onset of COVID pandemic, tried making a python-based application to provide basic information like bed counts, active cases, deaths and services to needy users in real time.
- **AI-Un-Car** [YouTube Link : youtube.com/watch?v=0C4sTpZhbAE]
 - ◆ Under Government of India's Atal Innovation Mission (AIM) program, conceptualised and created an arduino-based vehicle-integrated alcohol detection system aimed at automating the tedious task of policing drunken driving. The prototype was demonstrated to Mr. Amitabh Kant (CEO, NITI Aayog) and team at NITI Aayog, New Delhi.

→ **Road Barrier** [YouTube Link : [youtube.com/watch?v=-lxtuLu_QzY](https://www.youtube.com/watch?v=-lxtuLu_QzY)]

- ◆ A simple mechanical structure aimed at curbing the menace of wrong lane driving.

Other Achievements

- October 2023: Attended online bootcamp on Python and Artificial Intelligence, organised by DevTown in collaboration with AWS and GDSC KIIT.
- July 2023: Admitted to IIIT-H for a dual degree program in CSD through UGEE Entrance Exam. Secured an All India Rank 1.
- January 2019: Participated in Delhi state's Republic Day Celebration, held at Chhatrasal Stadium, Delhi in presence of Honourable Chief Minister.
- 2018 - 2019: Got an opportunity to interact with Amitabh Kant (CEO, Niti Aayog), Dr. Danielle Woods (AP, MIT) and Ayesha Chaudhary (MD, AIM) face-to-face. Was also selected to showcase the AI-Un-Car project to R. Ramanan (MD, AIM) at the Project Showcase event organised by Blue Bells International School in collaboration with Microsoft.
- December 2017: Participated in the creation of the Guinness World Record. Aimed at creating awareness about harmful effects of pollution on lung health, created 'largest human image of an organ' at the Thyagraj Stadium, Delhi. The event was organised by 'Lung Care Foundation'.
- 2021 - 2023: Lead the programming team of The Mother's International School's tech club - 'MINET'. Was also associated with coordinating and organising the annual tech symposium, MINET X-22 and MINET X-21.
- 2017 - 2020: Under Government of India's Atal Innovation Mission (AIM) program, conceptualised and created prototypes for automatic handling of drunken driving and wrong lane driving.
- Actively participated in many social activities and awareness drives, marathons for clean air and taught kids during school's summer break.