

# TANVI AJAY NERKAR

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## *Education*

Indian Institute of Technology Kanpur, India Bachelor in Technology, Electrical Engineering	2018-Present CPI 8.1/10.0
National Public School, Indiranagar, Bangalore, India Central Board of Secondary Education (CBSE)	2016-2018 97.4%
Baldwin Girls' High School, Bangalore, India Indian Certificate of Secondary Education (ICSE)	2010-2016 98.2%

## *Academic Awards and Achievements*

- ICSE 2016 School Topper (AIR 6)
- CBSE 2018 School Topper
- Centum in Computer Applications (ICSE 2016)
- Centum in Mathematics (CBSE 2018)
- AIR 1299 in JEE Advanced 2018, among 1.65 lakh students
- AIR 626 in JEE Main 2018, among 10.8 lakh students
- AIR 101 in KVPY 2016 among 50000 candidates
- 'The Young Scientist of the Year' award received from the late Dr. APJ Abdul Kalam
- City Topper (Bangalore) of The Times NIE Think and Learn Challenge among 1 lakh students
- 2nd position nationally in Max Life Insurance iGenius Scholarships among 1 lakh students
- International Rank 2, 23 in Cyber and Maths Olympiads (organised by [SOF](#))
- International Rank 9, 12, 17 in EduHeal Foundation Olympiads (Maths, Science, Cyber respectively) conducted in 2013
- High Distinction in UNSW Global - International Assessments For Indian Schools in Computer Skills, Science, English, Mathematics

## *Work Experience*

*Technovation Challenge* *February 2014 – May 2014*

- Powered by Iridescent Ltd. and WeTech
- Developed an Android application using MIT App Inventor 2 under the mentorship of Vice President and Manager of Goldman Sachs Ltd.
- Application was designed to help female high school students explore different career options through a virtual game setting
- Developed a business plan for the application once released
- Presented the application, business plan and implementation vision at the Regional Pitch held in Bangalore in July 2014

- Topper of a batch of 40 students, selected from over 1000 candidates from top 250 schools in Bangalore through a rigorous aptitude test
- Attended sessions held by employees on topics such as Cloud Computing, Software Development Methodology Analysis, Databases, Advanced Office functions, Visual Studio, Web Application Development, Mobile Application Development, Adobe Photoshop, Software Testing.

- Developed an application to find a fair and envy free room and price allocation for a hostel under Prof Swaprava Nath
- Implemented the Hungarian Algorithm to find a maximum weighted bipartite matching using Python libraries
- Developed under Project Track of the course Fundamentals of Computing

### *Coursework*

- Fundamentals of Computing
- Real Analysis
- Linear Algebra & Ordinary Differential Equations
- Language and Society

### *Skills*

Programming Languages: C, Java, Python, C++  
Softwares: MIT App Inventor 2, Pygame, MySQL  
Spoken Languages: English, Hindi, Marathi

### *Co-Curricular Achievements*

- Best Vice Captain Award 2016
- Efficiency Trophy for Rank 1 overall (in grades 5, 7, 8, 9, 10)
- Conducted an orientation session in Goldman Sachs as a panelist, alongside reputed members of the industry, as a representative of the Technovation Alumni.
- State level (Andhra Pradesh) Gold Medal in Roller Skating (2008)
- Participated and won numerous quizzing competitions, such as Derek's Faster, Smarter, Better Challenge, Bournvita Confident Minds, Times NIE Quizomania
- Participated and won numerous spelling bee competitions