

# VIKRAM CHAKRAVARTHI

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## EDUCATION

### SISHYA SCHOOL - Chennai, India

**Grade 12 ongoing - ISC** (Indian School Certificate) **2021-Present**  
**Courses** - Math, Chemistry, Physics, Computer Science, English

**Grade 10 - ICSE** (Indian Certificate of Secondary Education) **2019-2020**  
**Overall** - 96.2%

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## PUBLICATIONS AND ACADEMIC AWARDS

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| 1. <b>AP Scholar with Honor Award</b>   | <b>2021</b> |
| 2. <b>Grade 10 - ICSE National Topper English Literature 100%</b>   | <b>2020</b> |
| 3. <b>Rank No.1</b> out of a total of 207,902 students in English Literature  |             |
| 4. <b>Research Publication 2</b> - "The Chemistry of Batteries for Electric Vehicles,"<br>Published in Journal of Energy Research and Environmental Technology, Vol 8, Issue 4, Oct – Dec 2021      | <b>2022</b> |
| 5. <b>Research Publication -1</b> "Smart Grids, Microgrids, VPP Future Applications in India,"<br>Published in Advanced Research in Electrical and Electronics Engineering, Vol 8, Issue 3, Jul-Sep | <b>2021</b> |
| 6. <b>AP</b> - Calculus BC 5/5; Microeconomics 4/5; Psychology 4/5; Physics C Mechanics 4/5.  | <b>2021</b> |
| 7. <b>Grade 11</b> - Green Card: Award for Academic excellence  | <b>2021</b> |
| 8. <b>Grade 10</b> - White Cards: Award for Academic Excellence in Physics, Chemistry, Math   | <b>2020</b> |
| 9. <b>Grade 9</b> - Honor Card for Excellence in academics  | <b>2019</b> |

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## SCIENCE AND ENGINEERING EXPERIENCES

- GG Engineering, Mumbai, India** **Apr 2021 – Jun 2021**  
Start-up manufacturing Electric Vehicle Chargers, and Networks  
**Intern - Learn workings of Electric Vehicle Chargers**  
Design analysis of Electric Vehicle Chargers. Involved in Prototype of developing devices, integrating with digital. Developed App to allow users to identify charging points via mobile App connected to banking gateways. Learned patent submission process to Govt Agencies. Brand 'Green Charge' will be installed at buildings, townships.
- OPG Power Ventures PLC, Chennai, India** **Apr 2021 – Jun 2021**  
OPG is India's leading Thermal and Solar power generation, transmission company meeting industries energy needs  
**Intern - Gain practical aspects of the technical, engineering process of power generation, transmission.**  
Studied production process of 615 MW Coal and 300MW Solar fuel factories. Cost-benefit of using diverse coal grades, solar irradiation on output. Estimated technology choices on equipment efficiencies such as condensers, solar panels. Conducted plant expansion decision tree analysis for Solar expansion to 300MW
- Lumiere Education, Columbia, USA, Research Program** **2021**  
**Research Program at Lumiere with an Oxford PhD as Study mentor**  
The program refined skills in researching processes, writing and presenting papers. Wrote a paper on Smart Grids applications in India. Evaluated developments in India in technology studies, pilot testing, technical standardization, and design infrastructure necessary for the future adoption of Smart technologies in electricity management.
- IIT Madras Research Park, Chennai** **2021**  
Prestigious Technology Incubation center that produced 6 Unicorns.  
**Intern at the R&D lab of a Unicorn that is using AI, IoT, Data Science based precision treatment for diseases.** Evaluated Park's Microgrid for captive power consumption.

## LEADERSHIP ACTIVITIES

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1. **Founded Comedy Club at Sishya School** - In 2020, founded a Comedy Club for the first time in Sishya School's 48-year history. Formed the team, designed club format, shows, student club enrolment drive for the club. Created a forum for students to relax from pandemic pressures. Leave behind a valuable legacy, recruiting one of the highest student memberships.
2. **2021: Appreciation Letter from Tamil Nadu Government Health Minister, Mr. Ma. Subramanian** - For efforts to help the community overcome vaccine hesitancy and vaccinating 1,000 Daily Wage Earners by conducting several vaccination camps over six months in 2021.
3. **2022: Composed 'Oosi Podu - 2'**, Jan 2022, encouraging teenagers to get vaccinated, **Hon. Health Minister, TN Government**, launched the Music Video for societal benefit
4. **Led a team "Covid Busters"**, aged from 7 to 17 years; Liaised with Rotary Club and Greater Corporation of Chennai for getting AstraZeneca Vaccine for Covid-19.
5. Composed lyrics, choreography, recorded a song 'OOSI PODU' for **helping our community overcome vaccine hesitancy. Watch Video <https://www.youtube.com/watch?v=DUXVh-nn6cl>**
6. Created **"Bag for Jab"** Campaign. Raised Rs. 3,45,025 from June to Oct 2021 to provide a Grocery bag to daily wage earners as an incentive in return for taking a COVID 19 vaccine.
7. Raised, donated funds through crowdfunding for establishing a Pediatric ICU in the ESI Government Hospital in Chennai.
8. Rotary Club International, Rotary District 3232 - High Achiever Talent Recognition Award in 2019

## MUSIC Achievements - Guitar

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1. Trinity College London, Diploma in Level 6 Plectrum Guitar **2020**
2. KM Music Conservatory, Oscar winner, AR Rahman Academy. Advanced Guitar Course **2020**

## ECONOMICS AND ENTREPRENEURSHIP PAPERS

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1. **London School of Economics, London, UK, Economics Essay Competition** **2020**  
Research Paper to LSE - "Long-term economic impact of Covid-19 Government Stimulus Packages on society"
2. **University of Arizona, USA** **2020**  
StudentPreneur Challenge Certificate for creating a business plan to identify sports talent from underserved

## SOCIAL RESPONSIBILITY

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1. Raised amount of **INR 253801** using social media to help my School Cafeteria Supervisor to pay hospital bills and recover from COVID after his wife succumbed to the virus. **2020**
2. **Awarded by India's Leading Bank** - HDFC Bank as **"Our Neighborhood Hero"** **2020**  
For contributing to Covid relief efforts as a Corporate Responsibility Service
3. Led Ticketed Fundraiser to Support Stranded Artists due to Covid-19 Lockdown **2020**

## ATHLETIC ACHIEVEMENTS

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1. Gold medals in 100 m, 200 m and 400x100m in school Annual sports events. **2019**
2. Gold medals in 100 m, 200 m and 400x100m in school Annual sports events. **2018**

## ONLINE SCIENCE COURSE WORK

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1. IBM Data Science Course - 99.4% Score **2020**

## INTERESTS

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### Guitar, Athletics, Tennis, Chess, Debate Competitions over Schooling years

1. **School Inter-House Music Competition** - Western Music 1st Place, Indian Music 1<sup>st</sup> Place **2018-2019**
2. **Sport India, Junior Tennis League**, Certificate of Merit **2018**
3. **Debating Clubs and Competitions**
  - Featured as **"SISHYA ACHIEVERS"** selected few from the school of 3,000 students **2021**
  - Sishya MUN, **Verbal Mention** for exemplary work. **2018-2019**
  - **Yale University**, Dec 2017, Tournament of Champions, Debating Competition **2017**
  - Interschool Chess Tournament, Awarded by Kall Marpan, 27th place. Merit Group, 20th place