

Vikram Chakravarthi

Mobile: +1 (447) 902-1660

Email: vikchakravarthi@gmail.com

www.vikramchakravarthi.com

EDUCATION

University of Illinois Urbana-Champaign	2022-2026
Courses: Calculus 3, Introduction to Electronics, University Physics Mechanics. GPA: 3.33	
Semester 2 Currently: Introduction to Computing, Linear Algebra, University Physics, Electricity, and Magnetism	
SISHYA SCHOOL - Chennai, India	
Grade 12- ISC (Indian School Certificate) Overall: 96%	2021-2022
Grade 10 - ICSE (Indian Certificate of Secondary Education) Overall: 96.2%	2019-2020

PUBLICATIONS AND ACADEMIC AWARDS

1. Rank No.1 out of a total of 207,902 students in English Literature	2022
2. AP Scholar Honor Award: Calculus BC 5/5; Microeconomics 4/5; Psychology 4/5; Physics C Mechanics 4/5	2021
3. Research Publication 2 - "The Chemistry of Batteries for Electric Vehicles," Published in Journal of Energy Research and Environmental Technology, Vol 8, Issue 4, Oct-Dec 2021	2021
4. Research Publication 1 - "Smart Grids, Microgrids, VPP Future Applications in India," Published in Advanced Research in Electrical and Electronics Engineering, Vol 8, Issue 3, Jul-Sep	2021
5. Grade 10 - ICSE National Topper English Literature 100%	2020

SCIENCE AND ENGINEERING EXPERIENCES

1. iRobotics VEX	Jan 2023 – Present
I recently joined iRobotics VEX, the University's team, to participate in the VEX competition hosted by UIUC. I am building a robot that can shoot discs into a goal either autonomously or while being controlled.	
2. Illini Solar Car (Registered Student Organized RSO)	Aug 2022 – Present
As a team member, we are building an electric car that works on Solar Energy at The Illini Solar Car Club at UIUC. This car competes in the U.S. and Globally. I worked on the Low Voltage part of the car. I updated the Power System from 12 to 24 Volts and changed the old K.K.s used to Microfits, which improved the car's efficiency. I am currently working on designing the PCB for the board using KiCad. Also working on soldering the board designed.	
3. OPG Power Ventures PLC, Chennai, India	Apr 2021 – Jun 2021
Intern - Gain practical aspects of the technical and engineering process of power generation and transmission. OPG is India's leading Thermal and Solar power generation and transmission company supplying energy Studied the production process of 615 MW Coal and 300MW Solar fuel factories. Cost-benefit of using various coal grades.	
4. G.G. 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. Was involved in the Prototype of developing devices.	
5. Lumiere Education, Columbia, USA, Research Program	2021
Research Program at Lumiere The program refined my skills in researching processes and writing and presenting papers. Researched on Smart Grids.	

CERTIFICATION AND SKILLS

Certifications: IBM Data Science Course - 99.4%
Skills: Java, Python, C, KiCAD, Fusion360, Soldering
Languages: English (fluent), Hindi (proficient), Telugu (proficient), Tamil (proficient)

LEADERSHIP ACTIVITIES

-
- 2021: **Appreciation Letter from Tamil Nadu Government Health Minister, Mr. Ma. Subramanian** -For efforts to help the community overcome vaccine hesitancy and vaccinate 1,000 Daily Wage Earners by conducting vaccination camps.
 - 2020: **Founded Comedy Club at Sishya School** - Founded a Comedy Club for the first time in Sishya School's 48-year history. Formed the team, designed club format, shows, and student club enrolment.

INTERESTS

Guitar, Athletics, Tennis, Chess, and Debate Competitions over the Schooling years