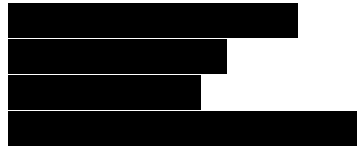

Pravallika Padyala

Senior: Metea Valley High School



SKILLS

- Strong verbal communication
- Prolific problem-solving
- Team leadership
- Censorious thinker
- Very organized
- Superior writing
- Fluent in English, Telugu, & Spanish
- Public speaking

EXPERIENCE

Badminton Team Freshman Year

9th Grade

- I was the captain of the Metea Valley Freshman badminton team
 - Allowed me to communicate effectively with my teammates
 - Had to be encouraging and help my teammates identify their weaknesses
 - I needed to be a good role model as I was the in the 1st doubles position and 2nd singles position

Project C.U.R.E.

9th Grade

- The student lead of the Biomedical area
 - I teach and explain the various parts of Biomedical Engineering to volunteers and help them out with identifying medical equipment and the function it does
 - We donate medical equipment to 3rd world countries that can not afford good medical care

Presented Alzheimer's Research at Northwestern University

9th Grade

- Chelating Mechanisms on Neurodegeneration
 - Won award of distinction (Top 5)

Future Medical Professionals Club President

10th Grade

- President of Future Medical Professionals Club at Metea
 - I lead the clubs motives and allow students to further understand medicine
 - Plan all the meetings, send out the reminders, conduct fun activities, etc.

Mu Alpha Theta Math Honors Society President

10th Grade & 11th Grade

- President of Math Honors Society at Metea
 - Planned out how to start it back up, as Metea wasn't able to sustain it
 - Contacted local middle and elementary school to help out for the following year
 - Plan on forming a larger team with Neuqua and Waubonsie Valley High School

Principal Advisory Board

10th Grade & 11th Grade

- Principal Advisory Board at Metea with Dr. Echols
 - A very motivated and interested member
 - Help for Deltas with other members and truly have the motive to make Metea a better place
 - Helped out in local places with the team and communicated with Dr. Echols.

12th Grade

- Vice-President: Community Service Lead
 - Leader of members in PAB
 - Create meeting slides and objectives that need to be accomplished

Argonne National Laboratory: Exemplary Student Research Program

10th Grade

- Worked with Dr. Erica Duguid from Hauptman-Woodward Medical Research Institute
 - Sulfur Single-Wavelength Anomalous Diffraction
 - Conducted research at the Argonne beamline
 - Created a poster to be presented to the scientists

11th Grade

- Working with Dr. Tom Irving from BioCAT, CSRRI, and Dept. of Biological Sciences, Illinois Institute of Technology
 - Studying Muscle Contraction with Synchrotron X-ray Diffraction

Global AI Project - Omdena

11th Grade

- Preventing Malaria Infections Through Topography and Satellite Image Analysis
 - Worked with Zzapp Malaria and 60 collaborators from various countries
 - Task Manager for Risk mapping - Machine Learning Engineer
- Improving the Lives of Cancer Patients by Identifying Existing Non-Cancer Generic Drugs
 - Currently working with RebootRx and 50 collaborators worldwide

Congresswomen Lauren Underwood Youth Fellow

11th Grade

- Phone banking for Congresswomen Underwood

Youth Advisory Council- State Rep. Stephanie Kifowit

11th Grade & 12th Grade

- Creating bills with other members
 - Bills are related to issues among our community

Aurora Youth Council

11th Grade & 12th Grade

- Appointed by Mayor Irvin

EDUCATION

Thayer J. Hill Middle School: Aurora, IL

August 2015 - June 2018

I was in Hill Middle School for 3 years, 6th to 8th grade. I was in the gifted program for 2 years. I took part in various extracurriculars. Such as, robotics team, science fair, basketball, STEM, student council, Builder's Club, Blazing Strings, etc.

Metea Valley High School: Aurora, IL

August 2018 - June 2019

9th grade

Honors Biology

Honors English 1

Honors Algebra 2 Trigonometry

AP Human Geography

Orchestra

Spanish 2

I am a part of Key Club, Future Medical Professionals, Skills USA, tennis, badminton, debate, etc.

August 2019 - June 2020

10th grade

Spanish 3

Honors English 2

Anatomy and Physiology Dual Credit

Honors Chemistry

AP Statistics

Honors PreCalculus

I am President of Future Medical Professionals, Mu Alpha Theta Math Honors Society. I take part in iStem Metea Research Club, tennis, badminton, SkillsUSA

August 2020 - June 2021

11th grade

Honors Spanish 4

AP Psychology

AP English 3

AP Biology

Honors Physics

PE Leader

AP Calculus AB

August 2020 - June 2021

12th grade

AP Chemistry

AP Macroeconomics/AP Microeconomics

AP Calculus BC

AP Computer Science A

English 4 20th Century Literature/ English 4 World Literature & Composition

PE Leader

Introduction to Engineering Design PLTW

Overall Weighted GPA: 4.23

AWARDS

- High- Honors student from grades 6-8 with at least a 3.6 GPA and higher
- I was in the gifted program Project Arrow.
- Was awarded Math-Science Genius in the 8th grade
- Won the Gold Award in Illinois Junior Academy of Science (IJAS) during school year 2016-17
- Won Special award during the (IJAS) school year 2017-18
- Participated in Mathcounts and competed in the regional meet
- Gave a Ted Ed talk on pesticides and GMOs
- Was the team leader in my school's robotics team
- Mentor in an engineering program held by Northern Illinois University Enhancing Engineering Pathways (NIU-EEP)
- Was awarded the METEA LIFE award by my teacher Dr. Liu
- State qualifier in Skillsusa
- Blood Science Foundation Finalist - \$500 scholarship
- Presidential Service Award from Donald J. Trump
- Prudential Metea Nominee by Dr. Echols
- Illinois House of Representative- 102nd General Assembly State Rep Stephanie Kifowit Youth Advisory Council