VARUN UNNITHAN

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EDUCATION

THE ACADEMY FOR MATHEMATICS, SCIENCE & ENGINEERING, 520 W MAIN ST, ROCKAWAY, NJ 07866
EXPECTED GRADUATION: 2022
WEIGHTED GPA: 103.255 (100 POINT SCALE)
A rigorous, highly focused four year program for students with career interests in mathematics, science and engineering.
Courses: AP Calculus BC, AP Statistics, AP Computer Science A, AP Computer Science Principles, AP Physics 1, AP Chemistry
Awards: Excelsior Award (2018-2020), AP Scholar with Honor

SKILLS & ABILITIES

COMPUTER SKILLS
- Experience with Java and the Java Swing library
- Experience with Javascript and BabylonJS (a Javascript 3D engine)
- Knowledge of JSON-based database connectivity in Java and Javascript
- Able to use 3D modeling or animation tools such Blender and Solidworks

COMMUNICATION
- Can communicate and work effectively with others as well as take directions
- Strong public speaker, and able to give engaging presentations and speeches

ADAPTABILITY
- Quick to pick up and learn new tools or techniques
- Able to come up with creative solutions to difficult problems

VOLUNTEER EXPERIENCE

TUTOR, AGRADEAHEAD, YOUTH PROMISE
1246 US-46 SUITE #1, PARSIPPANY, NJ 07054 AND VIRTUAL
JULY 2019 - PRESENT
- Develop lesson plans and teach students in grades 1-8
- Supervise students and regulate classroom atmosphere

PHONE BANKER, HUMANE SOCIETY OF UNITED STATES
VIRTUAL
JANUARY 2021 - PRESENT
- Contact people to urge them to support animal rights legislations that are being considered

HEAD COACH, PAL BASKETBALL PROGRAM
33 BALDWIN RD, PARSIPPANY, NJ 07054
DECEMBER 2019 - MARCH 2020
- Scheduled, developed plans and supervised team practices for 5th-6th graders
- Coordinated player positions and implemented game plans
- Communicated with parents and players through email

ACTIVITIES & AWARDS

FUTURE BUSINESS LEADERS OF AMERICA
- Placed 2nd in New Jersey for the Coding and Programming project and event in 2021
- Placed 5th in New Jersey for the Introduction to Financial Math objective test in 2020

KEY CLUB
- Secretary of Morris Hills High School Key Club
- Communicates and coordinates with higher levels of the Key Club district
- Manages club and club member data

JUNIOR STATE OF AMERICA
- Active member of the Morris Hills High School Junior State of America club

HACKATHONS
- Placed 2nd for the high school track of the NC State PackHacks Hackathon in March 2021