Sneha Rampalli
Princeton, NJ 08540
732-421-8929 (C)
sneharam@seas.upenn.edu

Skills:
Programming Languages: Java, OCaml, Pascal, Experience with Latex & WordPress, and HTML/CSS
Computer Applications: Microsoft Word, PowerPoint, Excel
Languages: Fluent in English, Spanish, and Telugu

Honors and Awards:
- Member of South Brunswick High School's National, Math, Science, and Spanish Honor Societies (9-12)
- AP Scholar with Distinction (11)
- High Honor Roll student (9-12)
- 2016 NJ Affiliate Runner-Up of the NCWIT Award for Aspirations in Computing (12)
- National Merit Commended Student (12)
- South Brunswick Commission on Women's Scholarship Award - $1,000

Education:
University of Pennsylvania (2016-2020)
Freshman
School of Engineering & Applied Physics
    Courses Taken:
        1st Semester: CIS 120, CIS 160, MATH 114, PSCI 150, WRIT 073

        2nd Semester (Registered): CIS 121, MATH 240, ASTR 212, PHIL 001, EAS 203

Clubs/Activities:
- Youth Hack Philadelphia (Freshman):
    - Member of Education Technology Team
    - Start-up Studio – work together with a team of 2-3 people and develop an idea for about 10 months, going from process of delving into an industry and doing research to fully developing a prototype product and presenting it by the end of the program
    - Currently in research and development phase
- Atma (Freshman):
    - Member
    - South-Asian Female Acapella Group that fuses Bollywood songs with American songs to develop musically, exploring new sounds and ideas, and driving performances with expression and personality.

South Brunswick High School
New Jersey (2012-2016)
GPA: 4.59

- X-STEM (10-12)
    - Co-founder of the club, 8 ambassadors
    - Goal is to encourage students to pursue STEM-based careers
    Exploratory year (10); made club public (11)
    - Planned Washington D.C. trip to attend X-STEM symposium and USA Science & Engineering Festival (10) and ISEC conference (10) at Princeton University to listen to keynote speakers and meet other students from STEM schools

- o Bring in guest speakers, participate in team-building activities, and aid students in entering competitions
- o Invention Convention (10-12):
    - o Help elementary school students brainstorm ideas to create a prototype and keep a journal to track their everyday progress with the invention
    - o All students must present their prototype and journal to the judges, and whoever wins is eligible to participate in the sixth grade science fair.
- Lemelson-MIT InvenTeam (10-11)
    - o Team: 8 ambassadors from X-STEM, 2 advisors
    - o Corporate sponsors: S&P Capital IQ
    - o Financial manager of the team
    - o Received a $4,500 grant to build the prototype and present it at the 2015 MIT Eureka Fest
    - o Project proposal: a device to alert drivers of oncoming bicyclists on the passenger side of the car to reduce injuries caused by collisions with the opening car door.
        - ▪ Unique because attachable and/or detachable to any make/model of vehicle because it fits the rear windshield
        - ▪ Utilizing the time of flight principle and the Pythagorean theorem, we used two rangefinders, placed side-by-side, to detect bicyclists in the bike lane within 30 feet of the device
- Varsity Tennis (9-12)
    - o Captain (12)
    - o Greater Middlesex County Champion for 2nd Doubles (11,12)
    - o Varsity 2nd Doubles (11-12)
    - o Junior Varsity 1st Doubles (9-10)
- Governor's School of Engineering and Technology (Summer before 12)
    - o Learned app development for Android, game design on Game Salad
    - o Worked on "Utilizing the Raspberry Pi to make your house smarter" project
        - ▪ Created project idea; learned and worked with Raspberry Pi software and Python language; research of multiple sensors
        - ▪ Patented our team's invention
- New Jersey Governor's STEM Scholars (12)
    - o Attend four conferences during each season of the year to listen to keynote speakers, network with renowned STEM leaders, and work with other high school, undergraduate, graduate, and Ph.D. students selected around New Jersey on a STEM research project
    - o Project: A website and mobile application that allows victims of crimes to quickly sketch a criminal using an advanced neural network technologies to catch criminals, solve crimes, and keep communities safe.
- Future Business Leaders of America (9-12)
    - o State Leadership Conference (10): 4th place in Desktop Publishing
    - o Learn how to become a successful and effective leader
- Math League (9)
    - o 5th place in school
- Violin (9-10): Greater Princeton Youth Orchestra (Concert Orchestra)

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Volunteer Experience:

- South Brunswick Senior Center (Summer before 11)
  - Volunteer in Technology Room – helping seniors learn how to surf the internet and learn basic computer programs
  - Teacher for a senior who would like to learn English
- Tutor at South Brunswick Public library (9-12)
  - TVA (Teen Volunteer Association): volunteer association to ensure that the library remains relevant and interesting to teenagers (9-12)
  - EVA (Executive Volunteer Association): leadership group that takes the ideas and plans of TVA and implements the programs (10-12)
- Ten Thousand Villages (10-11)
  - Volunteer at the non-profit organization that sells fair-trade crafts from Asia, Africa, Latin America, and the Middle East (10-11)
  - Checked inventory, worked at the cash register, and aided customers in finding specific items
- NJ Special Olympics (Summer before 10)
  - Assisted autistic and disabled kids play golf to participate in the NJ Special Olympics for golf
- Arts Council of Princeton (10)
  - Front desk receptionist: responsible for tending to members' needs, taking phone calls, and helping new customers
  - Assistant for Drawing Academy class

Employment:

- Tutoring community students in all areas of mathematics, ranging from NJ ASK math to Calculus, and SAT preparation (9-12)