Santosh Krishnan

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Education

* Rock Ridge High School, Ashburn, VA
  + GPA: 4.68 (Final HS GPA), Salutatorian of 2018 Graduating Class
* Virginia Tech College of Engineering, Blacksburg, VA
  + Class of 2022
  + Intended Major: Computer Engineering
  + Entered with standing of that of a 2nd year student
  + Relative Coursework: Physics – Electricity/Magnetism, Multivariable Calculus, Intro to Software Design, Intro to Python, Engineering Problem Solving with C++, Intro to ECE Concepts, Software Design and Data Structures
  + GPA YTD: 3.97

**Projects**

* Reducing Impact Forces and Energy Dissipated by the Brain Using an NS Honeycomb– RRHS 2018
  + Developed a prototype helmet design that reduces impact forces and brain acceleration during collision using 3D printed structures using CAD software and drop-testing
* Multiscale Modeling of Multifunctional Nanocomposites – Virginia Tech 2019
  + Researching impact of statics and dynamics on composites on a scale larger than the atomic level

**Extracurricular Activities**

* Member in Technology Student Association
  + Event: Video Game Design, role in creating 3D characters
  + Event: Coding, worked together to solve programming challenges
* Member of Ware Engineering Lab
  + Worked on developing an electric Formula SAE car
  + Learning the basics in tracing circuits and wiring
  + Project Lead in developing the Graphics Component of the car

**Awards & Acknowledgements**

* John L. Pratt Scholarship Recipient – 2019
* Norrine Bailey Spencer Strong Start Honoree - 2019
* 2nd Place At TSA Regionals for Video Game Design - 2018
* 20th at UVA Coding Competition - 2018
* National Merit Finalist 2017-2018
* 3rd Place at TSA States Competition for Coding - 2018
  + Nationals Qualification – 2018
* 7th Place at TSA States Competition for Video Game Design
* Honorable Mention at Loudoun County Regional Science and Engineering Fair in Biomedical Engineering – 2018
* National Merit Semifinalist/Finalist – 2017/2018
* Scored in the top 10% for the CyberStart Cybersecurity Challenge – 2017

**Interests/Skills**

* Programming Languages: JAVA, Python, MATLAB, C++
* Technical Skills: Linux, Autodesk, MS Office, Data Structures, SolidWorks
* Interests: Community Service, Programming, Tennis, Swimming