

Shreyas Gatuku

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Education

Carnegie Mellon University, Pittsburgh, PA

Bachelor of Science in Electrical and Computer Engineering with Minor in Robotics

2015 – 2019

GPA: 4.0

Briar Woods High School, Ashburn, VA

Advanced Studies High School Diploma with Honors, 4.46/4.00 GPA, Class Rank – 18

2011 - 2015

National AP Scholar, National Honors Society, National Merit Scholar

Loudoun County Academy of Science, Sterling, VA

Gifted Program for Math, Science, and Research

2011- 2015

University of Illinois Dual Enrollment Multivariable Calculus Credit

Experience

Hwa Chong Institute International Research Collaboration, Singapore

2013-2014

Research Intern

- Studied the Improvement of the Power Efficiency of the Savonius Vertical Axis Wind Turbine with Parabolic Blade Geometries
- 2nd place in Hwa Chong Research Fair, 1st place in Academy of Science Research Fair

Virginia Governor School for Math, Science, and Technology, Lynchburg, VA

Summer 2014

Student / Representative from County

- Studied Intro to Circuitry and Intro to Programming

Lego STEM Academy, Ashburn, VA

Summer 2013, 2014

Co-Founder and Instructor for Robotics and Aeronautical Engineering

- Started local summer camp to inspire STEM in middle school and elementary school students through hands on projects

Activities

Carnegie Mellon Solar Racing, Pittsburgh, PA

2015-2016

- Work on electrical and mechanical systems of a solar powered boat for boat racing competitions

Carnegie Mellon Sahara, Pittsburgh, PA

2015-2016

Public Relations Officer, Dancer

- Bollywood fusion dance team

FIRST Robotics Competition, Leesburg, VA

2013-2015

Member and Competitor (Lead Designer, Electrical Engineer, Mechanical Engineer, Driver)

- 1st place Rookie Inspire Award
- Competed in World's Championship St. Louis

FIRST Tech Challenge, Ashburn, VA

2011-2015

Member and Competitor (Electrical Engineer, Mechanical Engineer, Driver)

- Competed in State Competition 4 years and Super-Regional Competition 1 year

Academy 4 Enrichment, Ashburn, VA

Summer 2013, 2015

Instructor for Robotics and Reading

- Taught middle school students basic robotics with LEGO LabVIEW

Technology Student Association, Ashburn, VA

2013-2015

President, Vice-President for School Chapter

- Managed membership, competition registrations, and fundraiser/outreach events
- Served as liaison for school club planning

Skills

CAD Design (AutoDesk, Creo, TinkerCad), Java, python, 3D-printing, Matlab